

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 10535

28478

MON. DEC. 8-1919

PARTICULARS RELATING TO ~~ALL STEAM SHIP, EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLE, SHORT POOP, AND BRIDGE HOUSE, DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey

MIDDLESBRO'

Date of Survey

December 1919

Name of Surveyor

J. B. Locke

Ship's Name.

Messrs Smiths Dock Co's  
No 759Port of Registry  
and Nationality.Official  
Number.Gross  
Tonnage.

Date of Build.

Particulars of Classification.

+ 100 A1. contemplated.

Registered  
dimensions from  
Ship's Register.

LENGTH.

334.0'

BREADTH.

47.75 mld. 22.67

47.95 ex.

DEPTH.

22.67

UNDER DECK  
TONNAGE.

2940 (approx)

Moulded Depth

given

24'-11"

given by Builders

NOTE.—If the  
depth is measured  
when vessel is  
afloat, the details  
of measurement  
should be reported.\* Length on  
LOADLINE.

333.75'

Frame Depth

10

Ceiling

+20

Peak

Tanks

Rule

5 1/2

Sheer

+1.00

4 1/2 x 2 =

-75'

Drop in Tank

3 1/2 x 2 =

+14

RECTED  
ENSIONS.

333.75

47.00

22.0

24.01

23.96

2940

efficient of fineness.....

.779

modification necessary

.02

Cul. D.B.

[Para. 4 (a) to (e)]\*

efficient as corrected .....

.762

say .76

Rise in Sheer {

Stem..... 108'

Sternpost ... 54'

162 ÷ 2 =

81

Mean

Rise at 1/8 of the length from {

Stem 62'

Sternpost 25.5'

87.5 ÷ 2 =

43.75

Mean

Gradual mean Sheer .....

79.54

Standard mean Sheer [Table, Para. 18] .....

43.37

Correction

Difference.....

36.17 ÷ 4 =

-9

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) {

Length uncovered .....

2' ÷ 2 =

1'

allowance for part

covered by Bridge =

1/2 x 2 = 50 x 1"

2 x 26

Correction Nil

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....

2.7

Correction for Length, if required (Para. 12, 13, and 14) .....

2 1/2

Freeboard by Table A, corrected for sheer, and for length, {

if required (Para. 12, 13, and 14) {

Difference .....

2.4

Percentage as below.....

32%

8.96

Correction for R. Q. Dk. if engine and boiler openings not

covered by bridge house (Para. 11) .....

Allowance for Deck Erections .....

9

Length. Length allowed. Height.

Forecastle..... 33.75 33.75 7.6

Bridge House ..... 104.00 104.00 7.6

† Raised Qr. Dk.....

Poop..... 29.29 29.29 7.6

Total .....

167.04

Length of Ship .....

333.75

Corresponding percentage {

(Para. 12, 13, and 14) {

32%

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

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 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.

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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?

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

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No.*

Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead

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?

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?

Is the Forecastle at least as high as the main or top-gallant rail? *4-6"*

Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Steel*

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

*Casing 4-6" from Bridge deck.*

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 *✓*

What is the height of the exposed Casings? *4-6"*

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:—

*As per rule requirements & plans forwarded herewith.*

Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING	Height above top of DECK																
	Sides																
	Thickness																
SHIFTING BEAMS OR WEB PLATES.	Number																
	Section and Scantlings																
	Material																
* FORE AND AFTERS.	Number																
	Section and Scantlings																
	Material																
HATCHES Thickness																	
Remarks																	

\* 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, 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 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.

x x  
x x

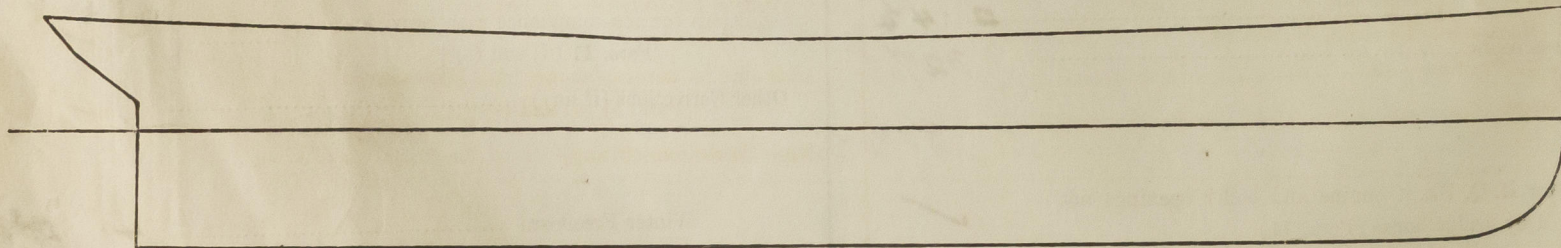
Freeing Ports  
(each side of vessel)

=

Sq. ft.

Total deficiency or excess =

Sq. ft.



*As per plans of midship section & Profile & Decks forwarded herewith.*

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 *Originally designed to class with*

*Norfolk Kentas, but modified to +100 A1. contemplated.*

*Freeboard request form attached.*

Builders *Messrs Smith's Dock Co., Ltd.*

Address *South Bank-on-Tees.*

Received by me



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