

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

15 MAR 1929

Index No.

(For London Office only.)

Hull No. 39689

33108

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.

*now named "DARTHEMA" of Hull.*

Port of Survey

HULL

Date of Survey

while building

Name of Surveyor

M. Malcolm

Ship's Name. <i>S.E.K. Larwood</i>	Port of Registry and Nationality. <i>Grimsey British</i>	Official Number. <i>160967</i>	Gross Tonnage.	Date of Build.	Particulars of Classification. <i>+100H1 Steam Trawler (contemplated)</i>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>140.3</i>	<i>24.0</i>	<i>13.35</i>	<i>313.98</i>
Length on LOADLINE.	<i>139.67</i>	Frame Depth <i>4 1/2</i> Rule <i>3 1/2</i>	Ceiling <i>none</i> Sheer <i>+0.86</i>	Peak Tanks
		<i>x 2 = 25</i> <i>No sparings + 25</i>		<i>higher than +3.9</i>
CORRECTED DIMENSIONS.	<i>139.67</i>	<i>24.0</i>	<i>14.36</i>	<i>317.88</i>

Moulded Depth as measured..... *14'-0"*

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

Addition for Keel below base line for draught record..... *7 1/2* inches.

## CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *139'-8" (139.67)*Length in Table ..... *168.00*Difference ..... *28.33*Correction for 10ft., Table A. .... *1.0* Table C. .... *1.5*× Difference divided by 10 ..... *2.83* (if required.) *1.41*If  $\frac{1}{10}$ ths length covered divide by 2 ..... *-2 3/4* *-1 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" wood deck fitted.*

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *23'-10"*Round of Beam ..... *8"*Normal round..... *5.95*Difference ..... *2.05* *2 = 1.02*Proportion of Deck uncovered (Para. 19) ..... *296* *-1/4*

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

Co-efficient of fineness..... *.661*Any modification necessary {  
[Para. 4 (a) to (e)]\*Co-efficient as corrected ..... *.68 Lowest in Tables*Sheer { Stem..... *63*  
at { Sternpost..... *52 1/2* } *115.5 ÷ 2 = 57.75* MeanSheer at  $\frac{1}{2}$  of the length from { Stem *31 3/4*  
Sternpost *29* } *60.75 ÷ 2 = 30.37* MeanGradual mean Sheer ..... *30.37* *55 = 55.22*Standard mean Sheer [Table, Para. 18] ..... *14.58* CorrectionDifference..... *15.99 ÷ 4 = 1.79*§ If limited as Para. 18 (f) ..... *14.38 ÷ 2 = 7.19* *-1 3/4*

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..... *0'-5"*Correction for Length, if required (Para. 12, 13, and 14) ..... *-1 1/2*Freeboard by Table A, corrected for sheer, and for length, {  
if required (Para. 11, 12, 13, and 14) } *1 - 10 3/4*Difference ..... *1 - 4 1/4*Percentage as below..... *14.1%*..... *2.71*

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

Allowance for Deck Erections ..... *-2 3/4*

Length. Length allowed. Height. above st. dk.

Forecastle..... *21-6* ..... *19.10* *6'-7" 65'-0"*

Bridge House ..... *✓* ..... *✓* ..... *✓*

Raised Qr. Dk..... *76-9* *x 3.27 = 23.44* ..... *1'-0"*

oop..... *✓* ..... *✓* ..... *✓*

Total ..... *98-3* ..... *70.4* *42.54 = .305*

Length of Ship ..... *139.67* ..... *139.67 = 2.44* *lengths*

Corresponding percentage {  
(Para. 11, 12, 13, or 14) } *19.52 x .6 + (3.27 x .4) = 7.22*

..... *19.52 x 7.22 = 14.1%*

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

Fresh Water Line above centre of Disc ..... *3'*

Indian Summer Line " " " ..... *1 1/2'*

Winter Line below " " " ..... *1 1/2'*

Winter North Atlantic Line " " " ..... *1 1/2'*

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.

*(1 1/2)' x 2 = 6.72 = 1.28"*

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

Summer " " " ..... *2'-5 1/2"*

Indian Summer " " " ..... *✓*

N.A. Winter " " " ..... *✓*

Raised Quarter " " " ..... *2'-5 1/2"*

+ 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? *yes* Bridge House? ☒ Forecastle? *yes*

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 *no openings*

Is the ~~Poop~~ or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? ☒

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? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *no*

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

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 *Sides 26 Blr. casing Coamg. 35 Stiffeners 3x22x4/16, 33"*

What is the height of the exposed Casings? *Blr. 4'3"* 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:—

Position and Size.	<i>Port. 2'-10" x 3'-3" x 18"</i>		<i>2 @ 3'-3" x 3'-3" x 18"</i>		<i>+ 2 @ 3'-3" x 3'-3" x 24" high (above steel)</i>					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK										
Thickness {										
Sides.....	<i>.35</i>									
Ends.....	<i>.35</i>									
SHIFTING BEAMS OR WEB PLATES.										
Number .....										
Section and Scantlings .....	<input checked="" type="checkbox"/>									
Material .....										
* FORE AND AFTERS.										
Number .....	<input checked="" type="checkbox"/>									
Section and Scantlings .....										
Material .....										
HATCHES Thickness .....	<i>2 1/2"</i>									
Remarks.....										

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases. *no Side Scuttles*

(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.

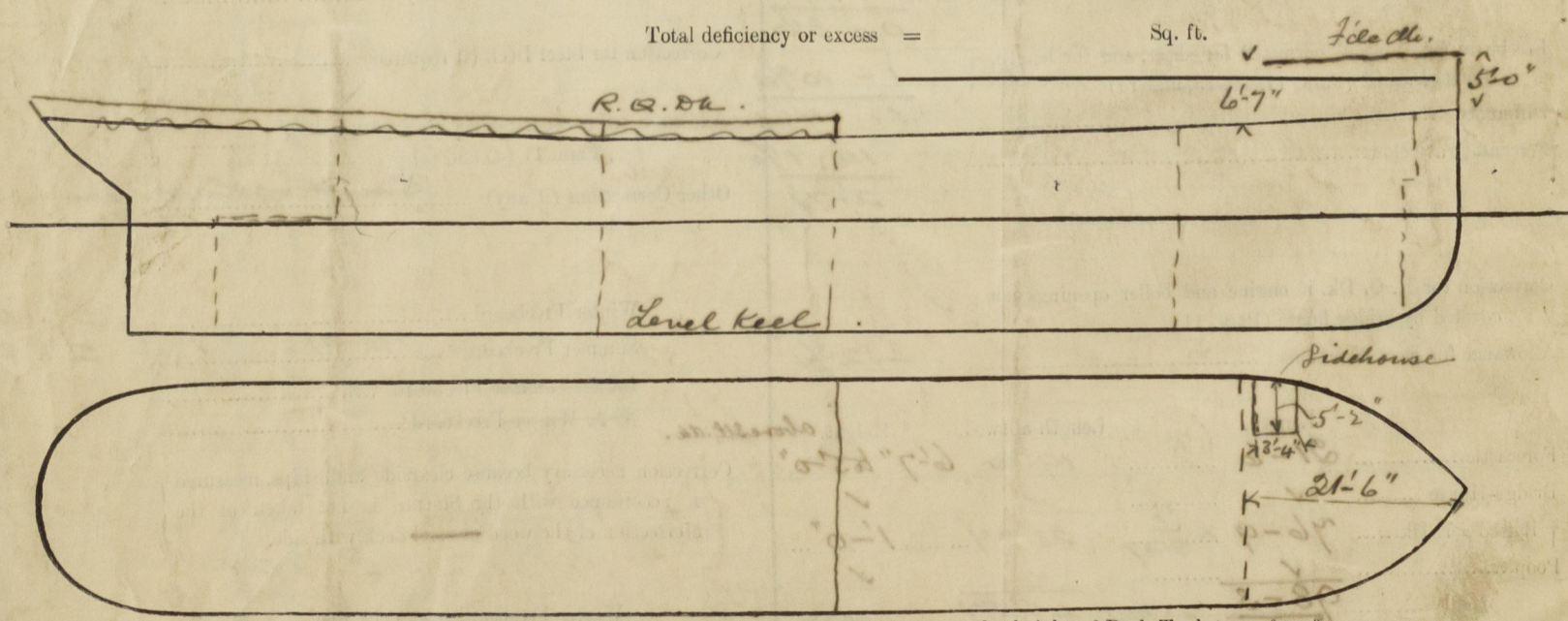
Length of Bulwarks in well *42'-0"*

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

Ft. Tenths. Ft. Tenths. No. } *Inches only.*

*R.Q.Dk. 1.5 x 0.75 x 3* } Freeing Ports = *5.37* Sq. ft.

*Upper Sk. 2.0 x 1.0 x 1* } (each side of vessel)



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 *Steam Trawler*

Builder's name and yard number *Cochrane & Sons Ltd. No 10142*

Names of sister vessels *10143*

Owners *The Crampin Steam Fishing Co. Ltd.*

Address

Fee £ *2 : 15 : 0*

To be applied for with 7. 8. fee.

Received by me *See F.B. Report*