

Index No. 29342  
(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR  
TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Null.  
Date of Survey 17<sup>th</sup> September 1920.  
Name of Surveyor Arthur Scullard.

Ship's Name. S.S. "Invertyne" Port of Registry and Nationality. London  
British Official Number. 145048 Gross Tonnage. 259.48 Date of Build. New  
Vessel Particulars of Classification. + 100 A.I. Carrying oil fuel in bulk  
Class Contemplated

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>120.2</u>	<u>23.15</u>	<u>9.3</u>	<u>207.25</u>
Length on LOADLINE.	<u>120.0</u>	Frame Depth <u>4'</u> Ceiling <u>+ 20"</u> Peak <u>Inc</u> Rule <u>3</u> Sheer <u>+ 346</u> Tanks		
		<u>1x2 = 2"</u> <u>No Sparring + .33</u> <u>= .16</u>		
CORRECTED DIMENSIONS.	<u>120.0</u>	<u>23.032</u>	<u>9.846</u>	<u>207.25</u>

Moulded Depth as measured..... 10'-0"

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

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..... 120.0  
Length in Table ..... 120.0  
Difference .....  
Correction for 10ft., Table A. ....  
× Difference divided by 10 .....  
If  $\frac{5}{16}$ ths length covered divide by 2

Table C.

(if required.)

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{7}{16}$ ths length covered ..... .413  
Thickness of usual wood deck, less stringer ..... 2 1/2 = -1"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 23'-0"  
Round of Beam ..... 6"  
Normal round..... 5 3/4"  
Difference ..... .25 ÷ 2 = .125  
Proportion of Deck uncovered (Para. 19) ..... .587

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

Co-efficient of fineness..... .76 .751

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

Co-efficient as corrected ..... .76 .7535.2332.003.233612.49

Sheer { Stem..... 48.0 } 67.5 ÷ 2 = 33.75 Mean 36  
at { Sternpost ... 19.5 }

Sheer at  $\frac{1}{2}$  of the length from { Stem 30.75 } 38.75 ÷ 2 = 19.375 Mean  
{ Sternpost 8.0 } ÷ .55 = 35.227

Gradual mean Sheer 33.75 + 35.227 = 34.49Standard mean Sheer [Table, Para. 18] ..... 22.0 CorrectionDifference..... 12.49 ÷ 4 = 3.12

§ If limited as Para. 18 (f) .....

Day - 3"

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

Fall in Sheer { 1 1/4 at frame 28  
Para. 18 (d) { ÷ 2 = 1.625

Length uncovered ..... Correction + 1/2"

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0 - 2 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) ..... 1 - 13/4

Difference ..... 0 - 11 1/4Percentage as below..... 10.071.13

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

Allowance for Deck Erections ..... - 1 1/4"

5 × 4.0 = 13.166 Length. 19.75 Length allowed. 13.166 Height. 4'-0"

Forecastle.....  
Bridge House.....  
† Raised Qr. Dk. 29.82 × 4/5 × 1/2 = 5.96

Poop.....

Total 49.57 13.166 × 8 = 105.328 154.9Length of Ship 120.0 120 .159Corresponding percentage { 10.07(Para. 11, 12, 13, or 14) 4.20%

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

Fresh Water Line above centre of Disc

Indian Summer Line " " "

Winter Line below " "

Winter North Atlantic Line " " "

Winter Freeboard ..... 1'-20  
Summer Freeboard ..... 1'-2 1/2 10 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"

Winter Freeboard from deck line ..... 1'-3 1/2  
Summer " " " ..... 1'-14 1/2 11 1/2  
Indian Summer " " " .....  
N. A. Winter " " " .....  
..... 0' 11 1/2 1'-14 1/2 11 1/2  
..... 2 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.

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside  
of keel should be reported if possible.  
vessel 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.  
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.

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Do all the Frames extend to the top height in the Poop? *Yes* 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 *✓*  
 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 *✓*  
 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? *Yes*  
 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 *Coaming 30, plating 24. Stiffeners 2 1/2 x 2 1/2 x 25 spaced about 32*  
 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.		<i>Oil Hatches 2'-6" x 2'-6" 2 ft. 12" off each side</i>									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	<i>13" above Expansion Trunk</i>									
	Thickness { Sides.....	<i>3/8"</i>									
	{ Ends.....	<i>3/8"</i>									
SHIFTING BEAMS OR WEB PLATES.	Number .....										
	Section and Scantlings .....										
	Material .....										
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....		<i>Plate covers</i>									
Remarks.....		<i>3/8" thick</i>									

\* 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 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.

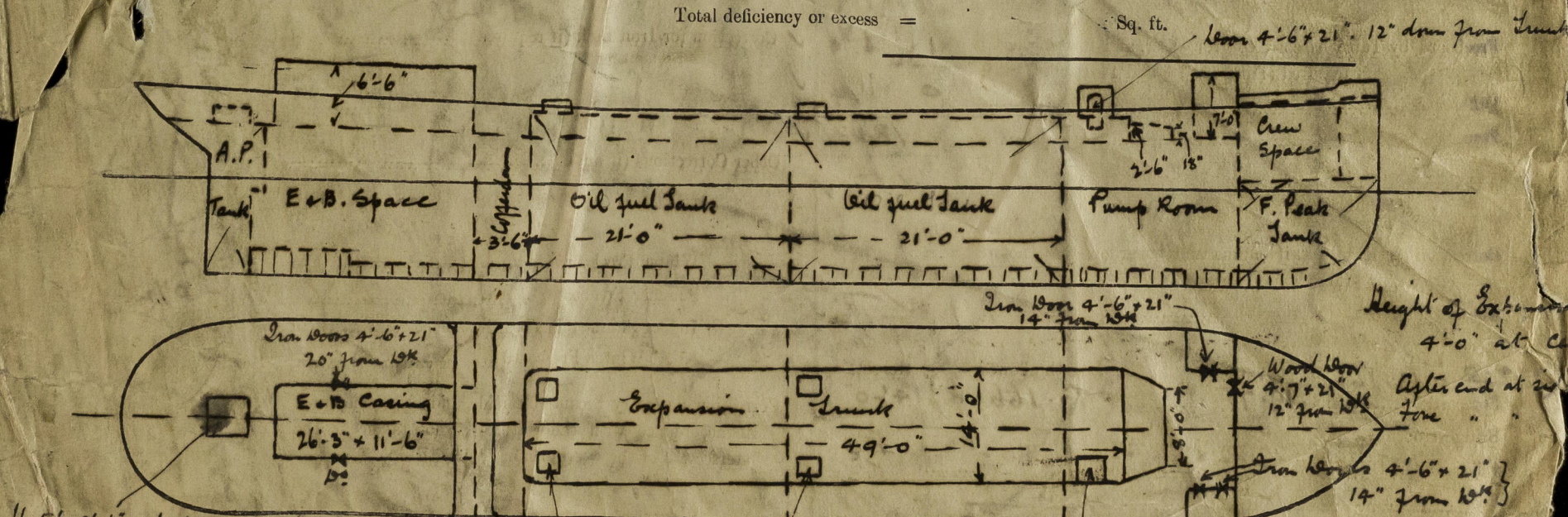
Ft. Tenths. Ft. Tenths. No.

Freeing Ports (each side of vessel).

Sq. ft.

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.

Hatches 2'-6" x 2'-6" 13" from Trunk

Pump Room Entrance 2'-7" x 3'-6" x 4'-0" from

State any special features in the construction of the Vessel

This report refers to Messrs. H. Sears Ltd of Heston

S.S. "Inverclyde" No 259. The approved plans of which are forwarded for reference

Owners British Mexican Petroleum Co.

Address 21 Bury St. London, E.C. 3.

Fee £

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