

Mo 40

Port of Survey Birkenhead
Date of Survey 24 April & subsequently
Name of Surveyor C. H. Dean

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	464.6	60.33	28.88	5727.72
Length on LOADLINE.	460	Frame Depth $\frac{1}{2}$ Rule " <u>7</u> $\times 2 = .83$ Spanning $\frac{1}{2}$ felled	Under hatch $\frac{1}{2}$ Ceiling only $+ .20$ Sheer $+ .84$ To Tank Top outside mach. space 28.62	Peak } incl'd Tanks } For 8 Frames in Tween Decks = 18 Tons For raised D.I. in machy space $+ 94$ Tons.
CORRECTED DIMENSIONS.	460.0	59.50	29.66	5806.72

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.....460 ✓
 Length in Table378 ✓
 Difference82 ✓
 Correction for 10ft., Table A.1.6 Table C.
 × Difference divided by 1013.12 ✓ (if required.)
 If ^{to} this length covered divide by 2 6.56 + 6 1/2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered

Thickness of usual wood deck, less stringer

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..... 60'-0"
Round of Beam 14 1/2
Normal round..... 15.0
Difference 1/2 ÷ 2 = 1/4
Proportion of Deck uncovered (Para. 19)

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

Fall in Sheer } $\div 2 =$

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	4" 9 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. 11, 12, 13, and 14))	4" 3 1/4 ✓
Difference	2 " 5 3/4 ✓
Percentage as below.....	94.3% ✓
	28.05 ✓

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

Winter Freeboard	5 " 2 1/4 ✓
Summer Freeboard	6 1/2 " 4 " 4 3/4 ✓
Indian Summer Freeboard	11 " 1 1/2 ✓
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 steel deck with side.

Winter Freeboard from deck line	5 - 4 ✓
Summer " " " "	4 - 9 1/2 ✓
Indian Summer " " " "	4 - 3 ✓
N. A. Winter " " " "	"

	Length.	Length allowed.	Height.
Forecastle.....	426.6 ✓	426.37 ✓	
Bridge House } 426.0" ✓			8'6"
Tonnage opening } 8'0" 5.6 ✓		✓	8'6" ✓
+ Raised Or. Deck			
Poop.....	26.0" 28.0 ✓	27.00 ✓	8'6" ✓
or Shells			
Total	460.0 ✓	459.34 ✓	
Length of Ship		3.31 1/2 defd	
Corresponding percentage		456.68 ✓	
(Para. 11, 12, 13, or 14)	94.3% ✓	460.0 ✓	993 ✓

REEBOARD recommended amidships from centre of Disc to top of Statutory			
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 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 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.

† 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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Tonnage Opening Fitted

id relatively to the straight
the vessel's drift at time of

Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? *yes* 110.

To what height do the Reverse Frames extend? *Bulk Angle Framing*

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? ☒ 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? *yes*

How are the openings closed? *By weather Boards in riveted channels to full height*

Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient ~~Iron or Wood~~ *steel* Bulk'd. at after end? *yes*

Are the Engine and Boiler openings covered by a ~~Bridge, Poop, Raised~~ *Superstructure deck* ☒ ~~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? ☒

Give thickness of plating; scantlings and spacing of Stiffeners *Plating .32"; stiffeners 4 1/2 x 3 x .34 spaced 4'-0" apart*

What is the height of the exposed Casings? *8'-0"* 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*

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[illegible]

* 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.)

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 that do not apply { The Crew ~~are, are not~~, berthed in the bridge house.
{ The arrangements to enable them to get backwards and forwards from their quarters ~~are, are not~~ satisfactory.

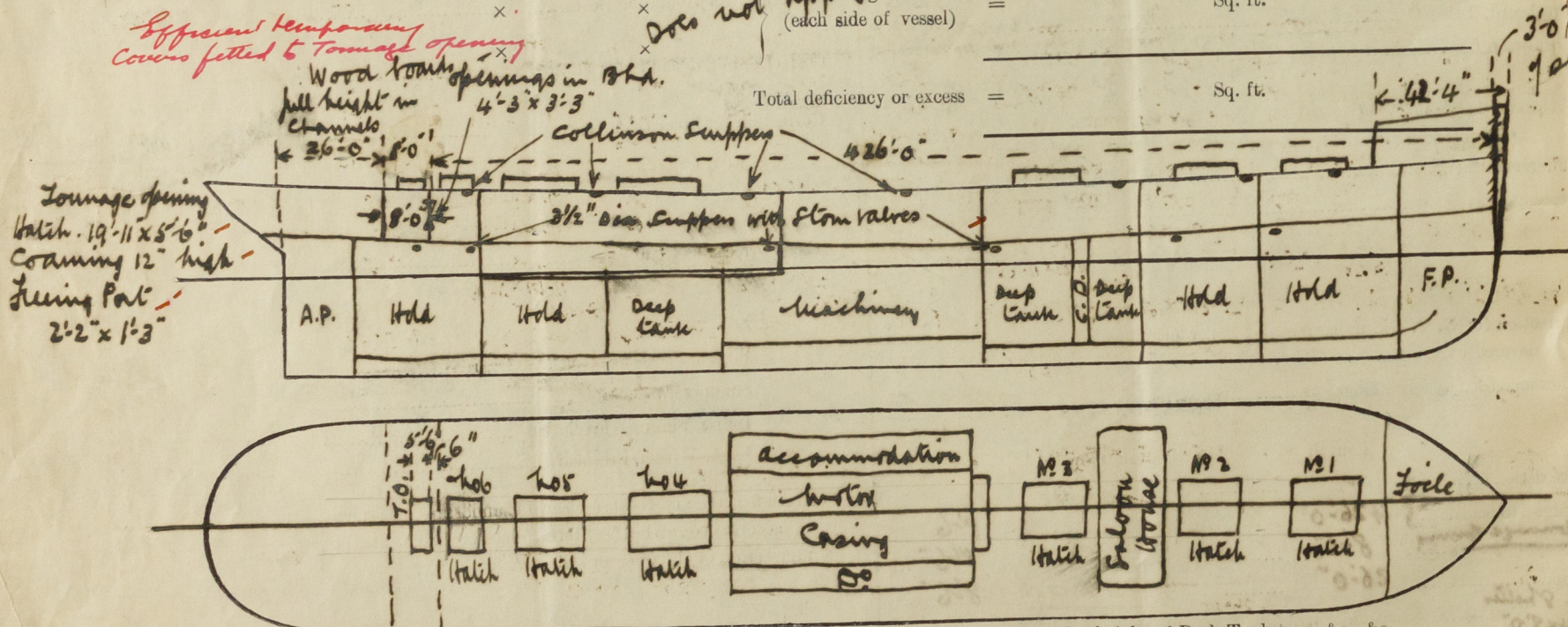
Length of Bulwarks in well

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

Ft.	Tenths.	Ft.	Tenths.	No.
1	0	1	0	1
1	1	1	1	2
1	2	1	2	3
1	3	1	3	4
1	4	1	4	5
1	5	1	5	6
1	6	1	6	7
1	7	1	7	8
1	8	1	8	9
1	9	1	9	10
2	0	2	0	11
2	1	2	1	12
2	2	2	2	13
2	3	2	3	14
2	4	2	4	15
2	5	2	5	16
2	6	2	6	17
2	7	2	7	18
2	8	2	8	19
2	9	2	9	20
3	0	3	0	21
3	1	3	1	22
3	2	3	2	23
3	3	3	3	24
3	4	3	4	25
3	5	3	5	26
3	6	3	6	27
3	7	3	7	28
3	8	3	8	29
3	9	3	9	30
4	0	4	0	31
4	1	4	1	32
4	2	4	2	33
4	3	4	3	34
4	4	4	4	35
4	5	4	5	36
4	6	4	6	37
4	7	4	7	38
4	8	4	8	39
4	9	4	9	40
5	0	5	0	41
5	1	5	1	42
5	2	5	2	43
5	3	5	3	44
5	4	5	4	45
5	5	5	5	46
5	6	5	6	47
5	7	5	7	48
5	8	5	8	49
5	9	5	9	50
6	0	6	0	51
6	1	6	1	52
6	2	6	2	53
6	3	6	3	54
6	4	6	4	55
6	5	6	5	56
6	6	6	6	57
6	7	6	7	58
6	8	6	8	59
6	9	6	9	60
7	0	7	0	61
7	1	7	1	62
7	2	7	2	63
7	3	7	3	64
7	4	7	4	65
7	5	7	5	66
7	6	7	6	67
7	7	7	7	68
7	8	7	8	69
7	9	7	9	70
8	0	8	0	71
8	1	8	1	72
8	2	8	2	73
8	3	8	3	74
8	4	8	4	75
8	5	8	5	76
8	6	8	6	77
8	7	8	7	78
8	8	8	8	79
8	9	8	9	80
9	0	9	0	81
9	1	9	1	82
9	2	9	2	83
9	3	9	3	84
9	4	9	4	85
9	5	9	5	86
9	6	9	6	87
9	7	9	7	88
9	8	9	8	89
9	9	9	9	90

24/4/20
 Breeding Ports = Sq. ft.
 (each side of vessel)

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.

Note. Spar ceiling is fitted to vessel sides 6x2 spaces 8" -
State any special features in the construction of the Vessel. Copies of all approved plans are in London office.

Builder's name and yard number Messrs. Cammell Laird & Co. Ltd. Birkenhead. No 94

Names of sister vessels

Owners *Lancashire Shipping Co. Ltd.*

Address 305 King Street, Liverpool

Fee £ : : Received by me