Rpt. 11b.

Preliminary

Index No. 33408
(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 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.

Port of Survey

Date ~~of Survey~~ 15.8.29

Name of Surveyor

Sir James Clark Ross (per Mdb. Cr. 2/4/30)

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Furness Shipbuilding	Lerwick	158			

Number in Register Book

Registered dimensions ~~from Ship's Register.~~ given	Length.	Breadth.	Depth.	Under Deck Tonnage.
	537.7 ✓	74.35 ✓	34.33 ✓	

Length on Loadline.	535	Frame Depth Rule ,,	Ceiling Sheer	Peak Tanks
Corrected Dimensions.	535 ✓			

Co-efficient of fineness..... △ @ 28'-0" B.K. = 25780 tons

Any modification necessary [Para. 4 (a) to (e)]* } △ coeff. = $\frac{25780 \times 35}{535 \times 74.35 \times 28}$ = .81

Co-efficient as corrected ..... .81 ✓ used

Sheer at { Stem..... 48" / Sternpost ... 14" } 62" ÷ 2 = 31" ...Mean

Sheer at ⅛ of the length from { Stem 5" / Sternpost 3¾" } 8.75" ÷ 2 = 4.37" ...Mean

Gradual mean Sheer ..... 7.95 ÷ .55 = 7.95

Standard mean Sheer [Table, Para. 18] 63.5

Difference..... 55.55 ÷ 4 = Correction 13.89

§ If limited as Para. 18 (f) ..... = +1'-2"

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

Fall in Sheer Para. 18 (d) } ÷ 2 = ✓

Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... (9'-6¼" − 3'-3") = 6 − 3¼

~~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~~) } 10 − 8¼"

Difference ..... 4 − 5

Percentage as below..... 92.9 % ✓

49.23

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

Allowance for Deck Erections ..... 4'-1¼" ✓

	Length.	Length allowed.	Height.
Forecastle.....	108'-6" ✓	91.25' ✓	
Tonnage Opening Bridge House	5'-0" ✓		
~~† Raised Qr. Dk.~~	421-6	421.5 ✓	
Poop.....			
Total	535'-0" ✓	512.75	

Length of Ship ..... Mean % diff. 11.12 / 523.87 / 535 = .979 ✓

Corresponding percentage (Para. 11, ~~12, 13, or 14~~) } 92.9 % ✓

Moulded Depth as measured..... 34'-3" ✓

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.....3.....inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 535'

Length in Table 411

Difference ..... 124'

Correction for 10ft., Table A. ..... 1.7 Table C. ✓

× Difference divided by 10 ..... 21.08 (if required.)

If $\frac{6}{10}$ths length covered divide by 2 10.54 = +10½" ✓

CORRECTION FOR IRON DECK.

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

Thickness of usual wood deck, less stringer ..... 3½" ✓

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..... 74'-0" ✓

Round of Beam ..... 18 ✓

Normal round..... 18.5

Difference ..... .5 ÷ 2 =..... .25

Proportion of Deck uncovered (Para. 19) .....

NIL

Freeboard, Table A ..... 9'-6¼"

Correction for Sheer ..... +1'-2"

10'-8¼" ✓

Correction for Length ..... + 10½"

11'-6¾" ✓

Allowance for Deck Erections ..... 4-1¼"

7-5½" ✓

Correction for Round of Beam..... ✓

Correction for fall in Sheer (if any)..... ✓

Correction for Steel Deck (if required) ..... — 3½"

7'-2" ✓

Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ } .....

Other Corrections (if any) ..... ✓

Winter Freeboard ..... 7'-2" ✓

Summer Freeboard ..... 6¾ 6'-7¼" ✓

Indian Summer Freeboard ..... 6'-0½" ✓

~~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. } + 1¾"

Winter Freeboard from deck line ..... 7'-3¾" ✓

Summer „ „ „ „ ..... 6'-9" ✓

Indian Summer „ „ „ „ ..... 6'-2¼" ✓

~~N.A. Winter~~ „ „ „ „ .....

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :— ... ... 6'-9" ✓

Fresh Water Line	above centre of Disc	8"
Indian Summer Line	„ „ „	6½"
Winter Line	below „ „	7" ✓
~~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.

‡ 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.

2m,3,28. T.

F.W. = 25780 ✓ / 40 × 53 ✓ = 7.75

34-3½ / 1¼ / 34-4¾ / 8-9 / 27 / 8¼

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