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TUE APR. 24 1923

Index No. **30889**
(For London Office only.)

Lloyd's Register of Shipping.

BILBAO REPORT
No. 6205

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 BILBAO
Date of Survey April 1923
Name of Surveyor M. England

B.T. COPY

HABANA

Ship's Name <u>ALFONSO XIII</u>	Port of Registry and Nationality. <u>BARCELONA SPANISH</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1923</u>	Particulars of Classification. <u>CLASS CONTINGENTATED + 100 AL SHADE DECK.</u>
Number in Register Book <u>✓</u>					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>480.0</u>	<u>61.0</u> <u>61.25</u> <u>intra</u> <u>328 3/4</u>	<u>32.34</u>	<u>7018.17</u>
Length on LOADLINE.	<u>480.0</u>	Frame Depth <u>9</u> Rule <u>7</u> <u>2</u> <u>-.33</u>	Ceiling <u>3 1/4</u> <u>Peak</u> Sheer <u>+30</u> <u>32.71</u> <u>to T.T.</u>	Tanks <u>bulk framing in 8 ft. space + 12 tons</u>
CORRECTED DIMENSIONS.	<u>480.0</u>	<u>60.92</u>	<u>33.01</u>	<u>7030.17</u>

Moulded Depth as measured 35' 9"
Addition for Keel below base line for draught record 3 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.....	<u>480.0</u>
Length in Table	<u>429.0</u>
Difference	<u>51.0</u>
Correction for 10ft., Table A.	<u>1.7</u>
× Difference divided by 10	<u>8.67</u> (if required.)
If 1/10ths length covered divide by 2	<u>4.33</u> <u>+ 1/4"</u>

Co-efficient of fineness..... .73
Any modification necessary } CDB
[Para. 4 (a) to (e)]* }
Co-efficient as corrected71

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>✓</u>
Thickness of usual wood deck, less stringer	<u>3 1/2"</u>
<u>3" wood sheathing fitted</u>	<u>- 1/2"</u>

Sheer { Stem 100 1/2" M. 2.556 } 135" 67.5" 68.63
at { Sternpost 0.876 } 3.432 ÷ 2 = 1.716 ... Mean 36 10.63
34.534 1/2" 61 1/2" 30

Sheer at 1/2 of the length from { Stem 1.566 } 75 1/2 37.75
Sternpost .356 } 1.922 ÷ 2 = 0.961 ... Mean 36 10.63
14" 68.06 ÷ .55 = 68.63

Gradual mean Sheer allowed 68.06
Standard mean Sheer [Table, Para. 18] 58.0 Correction
Difference..... 10.06 ÷ 4 = 2.51
§ If limited as Para. 18 (f) - 2 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>SAME AS 19.850 M. = 58.56</u>
Round of Beam	<u>306 7/8" = 12"</u>
Normal round.....	<u>14.64</u>
Difference	<u>2.64 ÷ 2 = 1.32</u>
Proportion of Deck uncovered (Para. 19)	<u>1.23</u>

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

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

Fall in Sheer } 3 ÷ 2 = 1 1/2"
Para. 18 (d) }
Length uncovered Covered by Bridge Correction ✓

Freeboard, Table A	<u>9' 6 3/4"</u>
Correction for Sheer	<u>- 2 1/2"</u>
Correction for Length	<u>+ 4 1/4"</u>
Allowance for Deck Erections	<u>9' 8 1/2"</u>
Correction for Round of Beam.....	<u>- 1' 9 1/4"</u>
Correction for fall in Sheer (if any).....	<u>7' 11 1/4"</u>
Correction for <u>3" sheathing on steel</u> Deck (if required)	<u>- 1/2"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>7' 10 3/4"</u>
Other Corrections (if any) <u>Sidelight limit</u>	<u>+ 2' 4 1/4"</u>
Winter Freeboard	<u>10' 3"</u>
Summer Freeboard	<u>10' 3"</u>
Indian Summer Freeboard	<u>10' 3"</u>
N. A. Winter Freeboard	<u>10' 3"</u>
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.	<u>1 1/2"</u>

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>9' 6 3/4" less 3'-1"</u>	<u>6' 5 3/4"</u>
Correction for Length, if required (Para. 12, 13, and 14)		<u>✓</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)		<u>9' 4 1/4"</u>
Difference		<u>2' 10 1/2"</u>
Percentage as below.....		<u>61.5%</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)		<u>- 1' 9 1/4"</u>
Allowance for Deck Erections		<u>21.2</u>

Length.	Length allowed.	Height.
Forecastle..... <u>62.56</u> <u>58.0</u>	<u>61.28</u>	<u>8' 0"</u>
Bridge House <u>31.61</u>	<u>15.90</u>	<u>8' 0"</u>
† Raised Qr. Dk. <u>250.68</u>	<u>247.18</u>	<u>8' 0"</u>
Poop..... <u>76.04</u>	<u>66.54</u>	<u>8' 0"</u>
Total <u>421.09</u>	<u>390.9</u>	
Length of Ship <u>480</u>	<u>480</u>	<u>= .815</u>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>61.5%</u>	

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

Fresh Water Line above centre of Disc	<u>10' 4 1/2"</u> <u>For all seasons</u>
Indian Summer Line " " "	<u>6 1/2"</u> <u>as Cargo Steamer</u>
Winter Line below " " "	<u>✓</u>
Winter North Atlantic Line " " "	<u>✓</u>

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† 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at the stem and sternpost, one-eighth of the vessel's length from stem and sternpost.

Vertical text on right margin: The number of feet of sheer is measured at the stem and sternpost.

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