

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. STEAM SHIPS.

27 JUL 1930

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 Rotterdam
Date of Survey Building
Name of Surveyor R. Reunenberg

Ship's Name. "KOTA AGONG"
Port of Registry and Nationality. Dutch
Official Number. V
Gross Tonnage. V
Date of Build. 1930
Particulars of Classification. + 100 A.1. contemplated

Registered dimensions from ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	449.6	60.83	29.67	6509.79
Length on LOADLINE.	448.4	Frame Depth $9\frac{1}{2}$ Ceiling $9\frac{1}{2}$ Sheer $8\frac{1}{2}$ + 86	Peak Tanks	
		Cargo Gallies $2\frac{1}{2}$ x 2 = .42	as for 8" Twisted Dk. To Tank Top at ends extended for 11 1/2 Frames forward + 3 Tons	
CORRECTED DIMENSIONS.	448.33	60.41	31.86	6553.79

Moulded Depth as measured..... 33.6"

Addition for Keel below base line for draught record..... 1.6..... inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 448.33.
Length in Table 402.00
Difference 46.33
Correction for 10ft., Table A. 1.7 Table C. .8
× Difference divided by 10 4.876 (if required.) 3.71
If $\frac{1}{10}$ ths length covered divide by 2 * + 8" + 3 3/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered585Thickness of usual wood deck, less stringer $2\frac{1}{4}$ Sheathing fitted in well $585 \times 3\frac{1}{2} = 2.73$ - 1/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 60'
Round of Beam 15"
Normal round..... 15"
Difference ÷ 2 =
Proportion of Deck uncovered (Para. 19)

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

Co-efficient of fineness..... .759
Any modification necessary } C.D.B.
[Para. 4 (a) to (e)] * }
Co-efficient as corrected74

Sheer { Stem..... 10' 11 3/4"
at { Sternpost ... 2' 9" } $164.75 \div 2 = 82.37$... Mean $36 \frac{1}{2} \frac{1}{4}$
Sheer at $\frac{1}{3}$ of the length from { Stem 6' 3 1/2"
Sternpost 1' 6 1/2" } $94.0 \div 2 = 47.0$... Mean
Gradual mean Sheer allowed 83.91 ÷ .55 = 85.45
Standard mean Sheer [Table, Para. 18] 54.83 Correction
Difference..... 29.08 ÷ 4 = 7.27
§ If limited as Para. 18 (f) - 7 1/4"

Rise in Sheer { At front of bridge house..... 1' 1 3/4"
from amidships { At after end of forecastle 5' 10 3/4"
[Para. 18 (e)] }

Fall in Sheer {
Para. 18 (d) } ✓ ÷ 2 =
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 5' 9"
Correction for Length, if required (Para. 12, 13, and 14) + 3 3/4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 8' 11 1/4"
Difference 2' 10 1/2"
Percentage as below..... 38.80%
* 13.38

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) - 1' 1 1/4"
Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	61.25	60.45	7' 6"
Bridge House	150.00	150.25	7' 9"
+ Raised Qr. Dk.....			
Poop.....	50.6	60.6	7' 3"
Total		262.30	585
Length of Ship		448.33	

Corresponding percentage (Para. 12, 13, and 14) 38.80%

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

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 sternpost. 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.

Winter Freeboard 4' 6 3/4"
Summer Freeboard 7' 0 3/4"
Indian Summer Freeboard 6' 6 3/4"
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. + 1 3/4"

Winter Freeboard from deck line 4' 8 1/2"
Summer " " " 4' 2 1/2"
Indian Summer " " " 6' 8 1/2"
N.A. Winter " " "
4' 2 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.

Lloyd's Register
MARKING FORM
RECEIVED 23 JUL 1930

Position and Size.		22'-6" x 18'-0"		30'-0" x 18'-0"		32'-6" x 18'-0"		22'-6" x 18'-0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"									
	Thickness {	Sides.....	.49								
		Ends.....	.44								
SHIFTING BEAMS OR WEB PLATES.	Number	4	5	6	4.						
	Section and Scantlings	16 x .36		4 x 3 x .43							
	Material	7/16 405 L x 9 7/8 L L 100 x 75 x 11		Per all Headers.							
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness		2 1/2" Per all Headers.									
Remarks.....											

(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.)

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. ~~Possible~~.
The arrangements to enable them to get backwards and forwards from their quarters ~~are, are not~~ satisfactory.

Length of Bulwarks in well 91'-6" *Pos. well*. 95'-0" *off.*

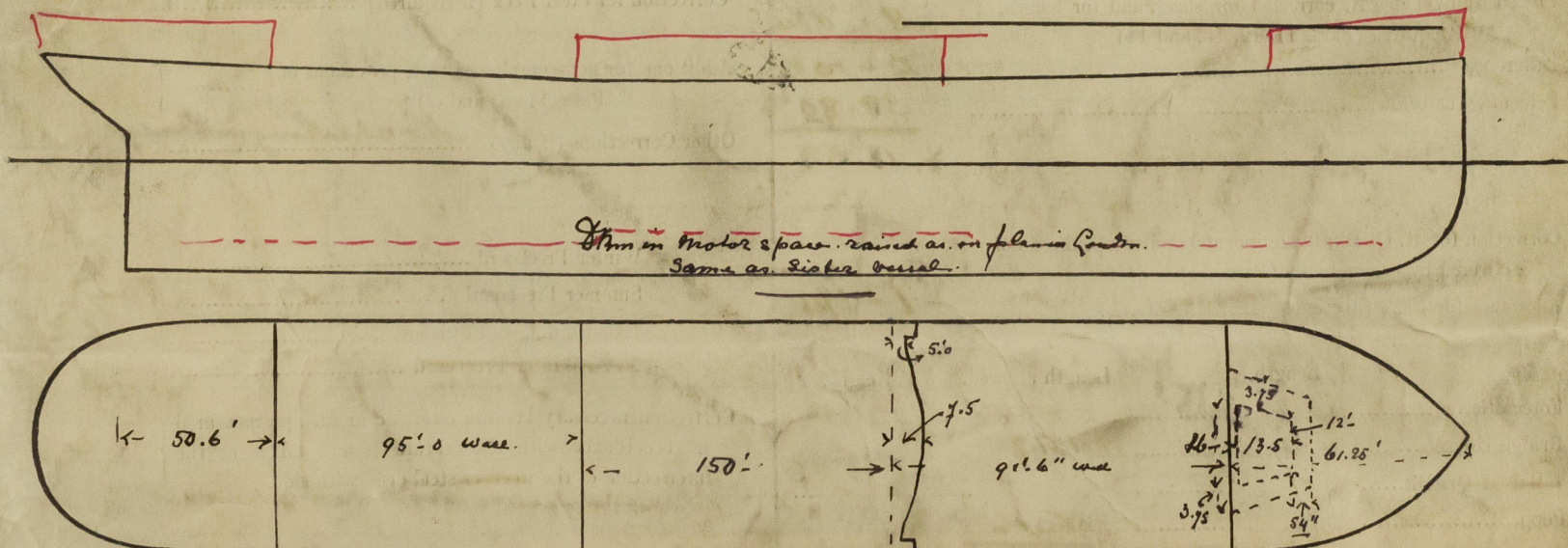
Area of Freeing Ports required by Para. 11 (e) each side of vessel = 18.3 ^{8.} 19.0 Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.
1	0	1	0	1
2	0	2	0	2
3	0	3	0	3
4	0	4	0	4
5	0	5	0	5
6	0	6	0	6
7	0	7	0	7
8	0	8	0	8
9	0	9	0	9
10	0	10	0	10
11	0	11	0	11
12	0	12	0	12
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14	0	14	0	14
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86	0	86	0	86
87	0	87	0	87
88	0	88	0	88
89	0	89	0	89
90	0	90	0	90
91	0			

For wood 3.25 $\times 1.6$ $\times 3$.
 all. wood. 3.25 $\times 1.6$ $\times 4$.

Freeing Ports
(each side of vessel) = 15.6 20.8 Sq. ft.

Total deficiency or excess = Sq. ft.



State any special features in the construction of the Vessel *Built in accordance with the approved plans.* 56.04

Builder's name and yard number *Maas, Veymoord, yard no. 314.*

Names of sister vessels "Kota Gandi" Kota Pinang, same owners and after the same plan

Owners Rotterdamse Lloyd

„ Address

Received by me

Fee \$ 144.00

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