

MON. 29 NOV. 1920

Index No. **29544**
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

1421

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

Port of Survey Boston
Date of Survey While Building
Name of Surveyor John S. Hecke

Ship's Name. <u>JAPAN ARROW</u> S. B. Corporation # 1386 Number in Register Book <u>✓</u>	Port of Registry and Nationality. <u>New York</u> <u>U.S.A.</u>	Official Number. <u>220831</u>	Gross Tonnage. <u>8327</u>	Date of Build. <u>1920</u>	Particulars of Classification. <u>+100 A1 Shelter Dk with freeboard</u> <u>Carrying Petroleum in Bulk</u>
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Entered ons from Register.	LENGTH. <u>468.3</u>	BREADTH. <u>62.7</u>	DEPTH. <u>32.0</u>	UNDER DECK TONNAGE. <u>7542.80</u>
h on LINE.	<u>468</u>	Average Frame Depth <u>9.2</u> Rule (and) <u>1.5</u> <u>2 x 1.5 = 3.0</u> <u>no sparring + 38</u>	Ceiling Sheer <u>+62</u> <u>allowed for</u> <u>in measurement</u>	Peak <u>131.08</u> Tanks <u>Cofferdams</u> <u>115.25</u> <u>220.40</u> <u>77.03</u>
CTED SIONS.	<u>468.</u>	<u>62. 1/3</u>	<u>32.62</u>	<u>7866</u>

Moulded Depth as measured... 32'-0"

Addition for Keel below base line
for draught record... 2. 7/32 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>468</u>
Length in Table	<u>384</u>
Difference	<u>84</u>
Correction for 10ft., Table A.	<u>1.6</u>
× Difference divided by 10	<u>13.44</u> (if required.)
If 1/10ths length covered divide by 2	<u>6.72</u> + <u>6 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer 3 1/2

— 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>61'-4 1/2"</u>
Round of Beam	<u>15 1/2 in 62'-6"</u>
Normal round.....	<u>15 1/2</u>
Difference	<u>✓</u> ÷ 2 =
Proportion of Deck uncovered (Para. 19)	<u>✓</u>

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

icient of fineness..... .82
modification necessary }
ara. 4 (a) to (e)]* }
icient as corrected82 Highest in Table.

{ Stem 108"
Sternpost 48" } 156 ÷ 2 = 78 ... Mean

at 1/3 of the length from { Stem 60"
Sternpost 27" } 84 ÷ 2 = 42 ... Mean

al mean Sheer 78.54 ÷ .55 = 142.8

ard mean Sheer [Table, Para. 18] 56.8 Correction

Difference..... 21.7 ÷ 4 = 5.42

mitted as Para. 18 (f) -5 1/2

in Sheer { At front of bridge house.....
amidships { Gradual sheer
18 (e)] { At after end of forecastle

in Sheer }
18 (d) } ÷ 2 =
uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

rd, Table C.....	<u>5'-3 1/2</u>
on for Length, if required (Para. 12, 13, and 14)	<u>✓</u>
rd by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>8-2</u>
ce	<u>2-10 1/2</u>
ge as below.....	<u>93.5</u>

n for R. Q. Dk. if engine and boiler openings not }
ered by bridge house (Para. 11) } 32.26

e for Deck Erections 2-8 1/4

Length.	Length allowed.	Height.
<u>352'-0" includ</u>	<u>351.08</u>	<u>7'-6"</u>
ouse <u>446'-4"</u>		
age Opening <u>8'-0"</u>	<u>6.96</u> = <u>1/2 diff.</u>	
Q. DE. <u>108'-0" includ</u>	<u>103.0</u>	
tal <u>10' width</u>	<u>461.04</u>	
Ship <u>468</u>	<u>= 985</u>	
ling percentage } 1, 12, 13, or 14) } <u>93.5-70</u>		

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

see double scale	Fresh Water Line	above centre of Disc
	Indian Summer Line	"	"	"	"	"	"	"	...
<u>11.20</u>	Winter Line	below	"	"	"	"	"	"	...
	Winter North Atlantic Line	"	"	"	"	"	"	"	...

es, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside
g should be reported if possible.
aining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-
height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
ed vessels the total standard mean sheer means the sheer measured at the stem and stern
vessels having poops and forecastles, it means the sheer measured at points distant
h of the vessel's length from stem and stern-post.

Winter Freeboard	<u>5'-8 3/4 9</u>
Summer Freeboard	<u>5'-2 7/8 1/2</u>
Indian Summer Freeboard	<u>4'-7 3/4 8</u>
N. A. Winter Freeboard	<u>✓</u>

Correction necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the wood iron deck with side. + 1 1/4

Winter Freeboard from deck line	<u>5-10 1/2 3/4</u>
Summer " " " "	<u>5-4 1/4</u>
Indian Summer " " " "	<u>4-9 1/2 3/4</u>
N. A. Winter " " " "	<u>✓</u>

5'-4" 7 1/2 6 1/2 6 1/2 2020

† 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.

MARKING REPORT

RECEIVED 25.1.21

Do all the Frames extend to the top height in the Poop? ☒ Shelter Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? *Shelter*

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 *Shifting Boards in Angle Iron Frames*

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *Shifting Boards in angle iron frames*

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? *Shifting Boards in Angle Iron Frames*

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

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *By the shelter deck*

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 ☒

What is the height of the exposed Casings? ☒ Are suitable means provided for closing all openings in them in bad weather? ☒

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.		#1 15'-10" 8 x 12'-0	#2 18' 9-2 1/2 x 20'-0	#3 18'-0 3/8 x 20'-0	#5 18'-6 1/16 x 20'-0	#6 6'-11 3/8 x 13'-0	Tonnage Opening 20'-0 x 8	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	27		24		24		24	
COAMING Thickness {	Sides..... Ends.....	3/4	1/4	1/4	1/4	1/4	1/4	1/4
SHIFTING BEAMS OR WEB PLATES.	Number	3	1	3	3	1	1	1
	Section and Scantlings	3x3x44 7 1/2 12x32	7 1/2 18x38	7 1/2 7 1/2	7 1/2 7 1/2	7 1/2 10 1/2 x 32	7 1/2 18x38	
	Material	steel	steel	same as #2	same as #2	3x3x44	4x3x44	
* FORE AND AFTERS.	Number	None	None	None	None	None	None	None
	Section and Scantlings							
	Material							
HATCHES Thickness	3		3		3		3	
Remarks.....	wood		wood		wood		wood	lashed to

* 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? *.82* Strake between Main and Bridge Sheerstrakes? *.71*

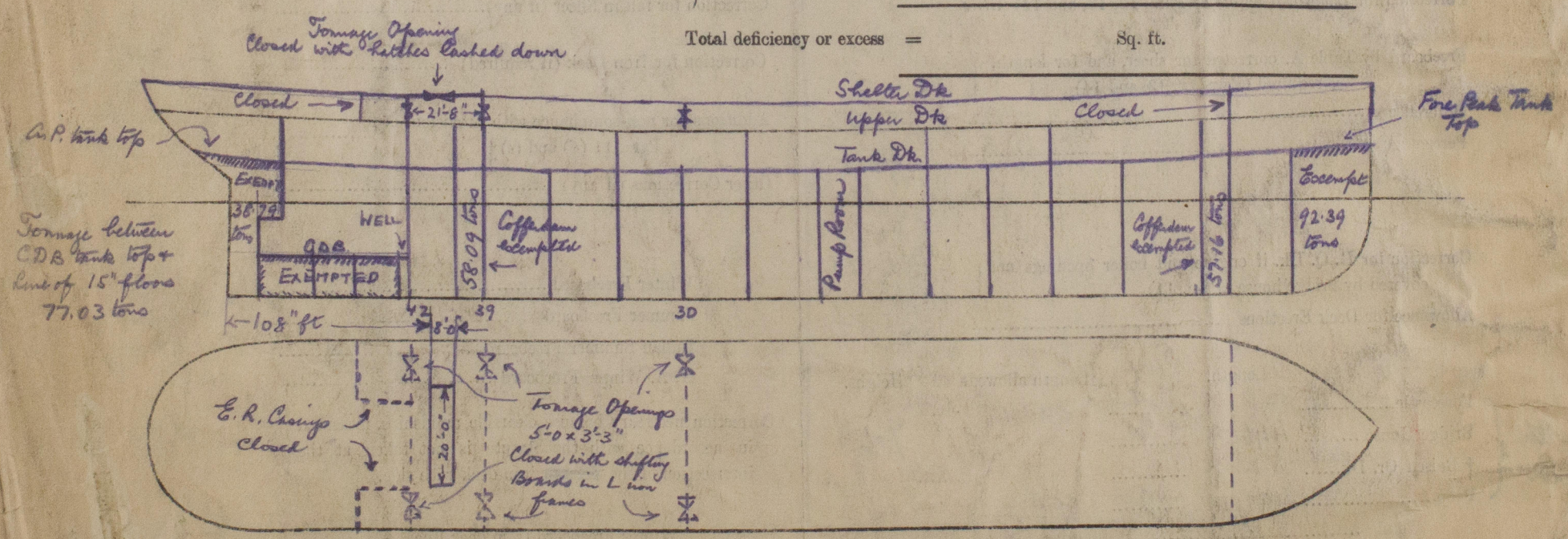
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~unsatisfactory~~ satisfactory.

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) =	6.125	Sq. ft.
3	5	1	75	1			

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.

State any special features in the construction of the Vessel *Tanker Long Fr. Shelter Dk with one tonnage opening.*

Tonnage measured to 15" floors. Sister ship to China Arrow Boston report 1392. Fresh water allowance required as per Displacement Scale forwarded with report on China Arrow. Request form herewith

Owners *Standard Transportation Co.*

Address *26 Broadway New York City*

Fee *\$50.00*

Received by me