

Rpt. 1.

W 185

## STEEL STEAMER or MOTORSHIP.

Received at London Office JAN 14 1939.

State if Report has been sent on the Freeboard of the Vessel *not required*State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report 30 Nov. 1938

Port of Shanghai

No. 4272

Survey held at Shanghai

Date First Survey 2 March 1937

Last Survey 16 July

1937

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Twin Screw "KIA WO"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Yangtze River Steamer

State Type of Erections

TONNAGE under 498.35  
Tonnage Deck...)CLASS A1  
for service on the Yangtze River

State if with freeboard as condition of Class

Built at Shanghai

Do. of space or spaces between Tonnage Dk. and Upper Dk. 373.88

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 202'-3"

Launched 1925 Yard No. 490

Total 872.23

Breadth (greatest moulded) B 33'-0"

Builders Kiangnan Dock &amp; Eng. Works, Shanghai.

Gross Tonnage 1311.22

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 10'-6"

Owners Indo-China S. N. Co., Ltd.

Register Tonnage 693.95

1st Longitudinal Number (L x D) =

Managers Jardine, Matheson &amp; Co., Ltd.

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Residence

Length 202.5

Proportions—Depth to Length—Uppermost continuous deck to top of keel 19.5 Main deck

Port of Registry Shanghai

Breadth 33.1

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth 9.9

Draught Moulded 8'-6"

Dry dock &amp; afloat

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	24"	✓	<b>Bracket Floors, Frame</b>	—	
" " in way of D. Tanks	21"	✓	" " Reversed Frame	—	
" " from 1/2 length to Collision bulkhead	—		" " Vertical Struts	—	
" " in peaks	—		<b>Centre Girder, depth and thickness amidships</b>	—	
<b>DE FRAMING.</b>			" " top Angles	—	
<b>Frame Amidships, Angle, E or F</b>	3" 2" 3/16"	✓	" " bottom Angles	—	
" " in way of E. & B. space Extends up to Main deck	3" 2" 1/4"	✓	<b>Side Girders, No. each side and thickness</b>	—	
<b>Reversed Frame Amidships, Angle</b>	—		<b>Margin Plate depth (excl. of flange) and thickness</b>	—	
" " Extends up to	—		" " Vertical Angle to Tank side	—	
<b>Depth of Framing Girder</b>	—		Bracket abaft 1/2 len. from stem	—	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b>	2 1/2" 2" 3/16"	✓	" " Vertical Angle to Tank side	—	
" " in way of E. & B. space	3" 2" 3/16"	✓	Bracket forward 1/2 len. from stem	—	
" " Second 'tween Decks, Angle, E or F	—		" " Gussets, spacing and scantling abaft 1/2 len. from stem	—	
" " Third " " "	—		" " Gussets, spacing and scantling forward 1/2 len. from stem	—	
<b>Framing in Peaks, Angle E or F</b>	3" 2" 3/16"	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	—	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3" rivets, 3 1/2" Pitch	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	No	✓	Breadth and thickness of Middle Line Strake	—	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	—		Thickness of remainder in Holds	—	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	—		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	—	
<b>SINGLE BOTTOM.</b>			<b>BEAMS. (Main deck)</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	14" x 1/4", 1/2 L. 20' ✓		<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or F</b>	3" x 2" = 1/4"	✓
Height of Brackets at side above base line at toe of frame	flanged 2 1/2" to shell 4" top. 14" x 3/16" at end flanged to shell & 3" top.	✓	" " in way of Bridge, Angle, E or F	—	
<b>Middle Line Keelson, on Floors, Angles, E or F</b>	23" x 1/4" 8" x 3/8"	✓	Spacing	24" every frame	✓
" " Centre Through Plate or Intercoastal Plate	6" x 3/16"	✓	<b>1st deck above</b>		
" " Foundation Plate on Floors	2 1/2" 2 1/2" 5/16"	✓	<b>Second Deck, amidships, Angle, E or F</b>	2 1/2" 2" 3/16"	✓
" " Flat Plate Keel Angles	Two	✓	Spacing	24"	✓
<b>Side Keelsons, No. each side</b>	4 in B. Room	✓	<b>2nd deck above (Saloon Deck)</b>		
" " thickness of Intercoastal Plate	3/16 in holds	✓	<b>Third Deck, amidships, Angle, E or F</b>	2 1/2" 2" 3/16"	✓
" " Angles	2 1/2" x 2 1/2" 5/16" Top	✓	Spacing	24"	✓
<b>DOUBLE BOTTOM.</b>			<b>3rd deck above (Shade Deck)</b>		
<b>Solid Floors, thickness and spacing</b>	—		<b>Fourth Deck, amidships, Angle, E or F</b>	1 3/4" 1 3/4" 3/16"	✓
" " Are Frame and Reversed Frame joggled?	—		Spacing	24"	✓
<b>Bracket Floors, breadth and thickness at middle line</b>	—		<b>Poop Deck, Angle, E or F</b>	—	
" " breadth and thickness at margin plate	—		Spacing	—	
			<b>Bridge Deck, Angle, E or F</b>	—	
			Spacing	—	
			<b>Forecastle Deck, Angle, E or F</b>	—	
			Spacing	—	



PILLARS AND DECKS.											
		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
<b>PILLARS, No. of Rows.....</b>		five		✓		Stringer Plate, breadth and thickness in way of Bridge .....		—			
" in 'tween Decks, Size and Spacing .....		2" tubes		✓		Thickness of Plating abreast Deck openings in way of Wells .....		3/16"		✓	
" " " " " "		8 feet		✓		Thickness of Plating abreast Deck openings in way of Bridge .....		—			
" in Holds " " " " " "		2 1/2" 2 1/2" 3/16"		✓		Thickness of Plating within line of openings...		3/16"		✓	
" " " " " "		—				If Sheathed, material and thickness .....		—			
<b>Centre Line Bulkhead.</b>		—				<del>2ND DECK ABOVE</del> <del>Third Deck.</del>					
Stiffeners and Spacing.....		—				Stringer Plate, breadth and thickness.....		10" x 3/16"		✓	
Plating, thickness of .....		— 1/2"				If Plated, state thickness.....		1" PINE		✓	
<b>STRINGERS AND DECKS.</b>						<b>Fourth Deck.</b>					
<b>Uppermost Continuous Deck.</b>				✓		Stringer Plate, breadth and thickness.....		—			
Stringer Plate, breadth and thickness in Wells		4"				If Plated, state thickness .....		—			
" " " " " " in way of Bridge		—				<b>Poop Deck.</b>					
" Angle in Wells .....		—				Stringer Plate, breadth and thickness .....		—			
Thickness of Plating abreast Deck openings in way of Wells .....		5/16"		✓		Plating, Sheathing, material and thickness ...		—			
Thickness of Plating abreast Deck openings in way of Bridge .....		—				<b>Bridge Deck.</b>					
Thickness of Plating within line of openings...		5/16"		✓		Stringer Plate, breadth and thickness.....		—			
If Sheathed, material and thickness .....		—				Plating, Sheathing, material and thickness ..		—			
<del>1ST DECK ABOVE</del> <del>Second Deck</del>						<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness in Wells...		4" to 3/16"		✓		Stringer Plate, breadth and thickness.....		—			
						Plating, Sheathing, material and thickness ..		—			

SHELL PLATING.									
SCANTLINGS.					RIVETING.				
STRAKES.		AS IN VESSEL.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		STRAPPED OR LAPPED.
		AMIDSHIPS.	FORWARD.	AFT.	State if Joggled?		No. of Rows of Rivets.		
		Breadth.	Thickness.	Thickness.	SINGLE OR DOUBLE.		RIVETS.		
		Inches.	Inches.	Inches.	Diam.		Spacing or to cr.		
		Inches.	Inches.	Inches.	Inches.		Inches.		
FLAT PLATE KEEL .....		60"	5/16"	✓	✓	✓	3"	2 1/2"	✓
" DBLG. (if any) .....		—	—	—	—	—	—	—	—
BOTTOM PLATING, No. of Strakes .....		4"	✓	3/16"	✓	✓	3"	2 1/2"	✓
BILGE PLATING, No. of Strakes .....		4"	✓	3/16"	✓	✓	3"	2 1/2"	✓
SIDE PLATING, No. of Strakes .....		3/16"	✓	3/16"	✓	✓	3"	2 1/2"	✓
Main DECK, Sheer-strake in Wells.....		4"	✓	3/16"	✓	✓	3"	2 1/2"	✓
UPPER DECK, Sheer-strake in Bridge .....		4"	✓	3/16"	✓	✓	3"	2 1/2"	✓
STRAKE BELOW Sheer-strake in Wells.....		3/16"	✓	3/16"	✓	✓	3"	2 1/2"	✓
STRAKE BELOW Sheer-strake in Bridge .....		—	—	—	—	—	—	—	—
POOP SIDE PLATING .....		—	—	—	—	—	—	—	—
BRIDGE SIDE PLATING .....		—	—	—	—	—	—	—	—
FORECASTLE SIDE PLATING .....		—	—	—	—	—	—	—	—

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—									
Main Extending to Upper Deck (Sec. 3 c) 8 W.T. BHDS. & 3 O.T. BHDS ✓									
" Deck next below									
As per Rule									
					KEEL, Bar .....				
					STEM .....				
					STERN FRAME { Propeller Post .....				
					Rudder " .....				
					Speed of Vessel 14 1/2 Loaded				
					CENTRE RUDDER—Type RECTANGULAR SHAPE				
					" A x D .....				
					" Diam. of head .....				
					" Mainpiece at top pintle				
					" " heel ...				
					" how constructed .....				
					" double or single plate				
					" coupling, vertical or				
					horizontal .....				

EQUIPMENT No									
LETTER									
ANCHORS.									
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
92877	1st Bower ...	20	1 1/4	21	1 2 7	Hull's Stockless	Hingley & Son	Natherton - 14/1/12 - H. Green	
87475	2nd " ...	16	2 1/4	17	1 8 1	Trotman Stock	"	" - 28/1/12 - H. Green	
87470	3rd " ...	11	2 1/4	13	1 2 0	"	"	" - 28/1/12 - H. Green	
90692	Stream .....	10	2 0	12	8 3 0	Hull's Stockless	Hingley & Son	" - 4/1/12 - H. Green	

CHAIN CABLES.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.
28514	15 fms. 1 1/2"	12 1/2	12 1/2	12 1/2	Stud Stock	Hendrick & Mole Ltd.	Candiff - 3/1/12 - A. Jones	TOWLINE	15 fms. 1 1/2"
28515	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28518	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28520	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28525	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28527	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28528	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28530	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28531	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
28532	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
90675	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
90678	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
90679	" " " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "

Steering Gear, Steam 7" x 8"					Steering Gear, Hand Galloway type for M.R. vessels				
Boats 2-26" Schang Sampans Steering Chains, Size and Test					Windlass Steam 6 1/2" x 6 1/2"				
Ceiling in Holds, thickness and material 1 1/2" Oregon Pine					Cargo Battsens, thickness, material and spacing 6" x 1 1/2" Oregon Pine, spaced				
Cargo Hatchways.—(Upper Deck) One - 20' x 12'					Thickness of Hatches 2" Oregon Pine				
Size of No. 1 Hatchway (Forward) 20' x 12'					No. 2 2 Tank lids each 7'9" x 5'3"				
Number of Shifting Beams and/or Fore and Afters					No. 1 hatch - 2 beams & 3 fore & after. Tank lids - no beams				
No. 4 & 5 hatches have each one fore after.					Builder's Signature				

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *Yes*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Wood oil only* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*Side tanks, 7. P. above 150° F. Installation in accordance with the Rules & the tanks have been satisfactorily tested.*

*The wood oil tanks also were satisfactorily tested.*

*This vessel trades in fresh water, & has been completely surveyed from time to time over a period of years by the Surveyors to this Society, & under that, under the Treaties, a Certificate might be furnished to the Consul-General.*

*The builders are now out of business, & the yard has been taken over by the Japanese Authorities.*

*Please see overleaf for details of survey carried out at this time.*

The amount of Entry Fee .....					Fees applied for,				
Special Survey Fee ... £					17/7/1937				
Travelling Expenses, if any £					Received by me,				
20/1/1937					I am of opinion the Vessel should be Classed A.I. for Service in the Yangtze River.				
State whether the Vessel has been built under Special Survey					Signature				
Certificate to be sent to					Date of issue				

Committee's Minute *TUE. 21 FEB 1937*

Character assigned *Noted*

*White Xi*

*Printed*

*4185-00 071212*



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

List of drawings forwarded under separate cover

1. General Arrangement
2. Midship Section
3. Pillar Plan
4. Centre Rudder
5. Wing Rudders

Now done for survey

Vessel placed in a dry dock. Bottom and rudders cleaned, examined and found in good condition and afterwards recoated.

Examined peaks, holds (ceiling lifted) E. and B. spaces, bunkers, wood oil tanks, cofferdams, decks, hatches, casings, coamings, ventilators, windlass, steering gear, anchors and chains, chain locker and general equipment, boats, sounding pipes (plates under) cargo doors, crew and passenger spaces. All parts found in good condition.

Peaks and wood oil tanks and bunkers tested and found tight.

It was not considered necessary to drill test the shell or decks.

*Inspected in oil tank etc.*  
*No cement*

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials,  
Number of Certificate, Date  
of Test.

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Over-all Length 210'-0" ✓

No. and Material of Decks. 2 STEEL DECKS (UPPER & MAIN DECK) 1 PINE DECK (SALOON DECK) 1 BK + shade BK (see enclosure)

Official No. ; Signal Letters

Is bottom of vessel coated with cement *no* X if not give

particulars of composition *see* X

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	15'8"	30
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	—
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	—	—	Other tanks, if fitted, 2 wood oil. for 2 of B.M.	—	250
Total capacity of double bottom		—	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No.

Date

Dates of Surveys held while building



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Total No. of Visits 8.