

STEEL STEAMER OR MOTORSHIP.

Received at London Office

FEB 10 1939

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 30 Dec. 1958

Port of Shanghai

No. 4333

Survey held at Shanghai

Date First Survey 17 Feb. 1939.

Last Survey 23 April

1938

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

Spinn Rotor "KUNG WO"

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

Yangtze River Steamer

State Type of Erections

TONNAGE under) 3843
Tonnage Deck...)

CLASS

State if with freeboard }
as condition of Class }

Built at Hong Kong

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

Length from fore part of stem to after part of stern } **L350'-0"**
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (*greatest moulded*) B 48'-6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 15'-6"

1st Longitudinal Number (L x D).....=

2nd Numeral $L \times (B + D) \dots\dots\dots =$

Launched Yard No. 579

Builders Hong Kong & Whampoa DK Co Ltd

Owners Indo China S. W. Co Ltd

Managers *Jardine Matheson & Co Ltd*
(Where necessary to be entered in R29. Book.)

Residence

Port of Registry *Hong Kong*

If surveyed while building, afloat, or in dry dock

Afloat and Dry Dock.

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.
FRAMES, Spacing amidships	24"	✓	Bracket Floors, Frame		
" " from $\frac{3}{8}$ length to Collision bulkhead.....}	24"	✓	" " Reversed Frame		
" " in peaks.....	20"	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, \angle or \angle	4" 3" $\frac{3}{8}$ "	✓	" " top Angles		
" " Extends up to $\frac{3}{4}$	AWNING DECK.	✓	" " bottom Angles		
Reversed Frame Amidships, Angle.....	3 $\frac{1}{2}$ " 3" $\frac{3}{8}$ "	✓	Side Girders, No. each side and thickness		
" " Extends up to... ..	MAIN DECK.	✓	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	15"	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \angle	4" 3" $\frac{3}{8}$ "	✓	" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, \angle or \angle			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
" " Third " " " "			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....		
Framing in Peaks, Angle \angle	4" 3" $\frac{5}{16}$ "	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{7}{8}$ RIVETS.	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	NO	✓	Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)			Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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?.....		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	22" 21" x $\frac{3}{8}$ "	✓	Uppermost Continuous Deck, amidships) in Wells, Angle \angle or \angle	5" x 3" x $\frac{3}{8}$ "	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, \angle or \angle	5" x 3" x $\frac{3}{8}$ "	✓
Middle Line Keelson, on Floors, Angles, \angle or \angle	5" x 3" x $\frac{7}{16}$ D.A. Top 3" x 3" x $\frac{7}{16}$ D.A. Bottom	✓	Spacing	24"	✓
" " " Through Plate or Intercostal Plate... ..	$\frac{9}{16}$ "	✓	1st DECK ABOVE		
" " " Foundation Plate on Floors	10 $\frac{1}{2}$ " x $\frac{10}{16}$ "	✓	Second Deck, amidships, Angle, \angle or \angle	4" x 3" x $\frac{7}{16}$ "	✓
" " " Flat Plate Keel Angles	4" x 3" x $\frac{3}{8}$ "	✓	Spacing.....	24"	✓
Side Keelsons, No. each side	TWO.	✓	2nd DECK ABOVE		
" " thickness of Intercostal Plate... ..	$\frac{9}{16}$ "	✓	Third Deck, amidships, Angle, \angle or \angle	3 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x $\frac{5}{16}$ "	✓
" " Angles... ..	6" x 3" x $\frac{9}{16}$ D.A.	✓	Spacing.....	24"	✓
DOUBLE BOTTOM.			3rd DECK ABOVE		
Solid Floors, thickness and spacing			Fourth Deck, amidships, Angle, \angle or \angle	3 x 2 $\frac{1}{2}$ x $\frac{4}{16}$ "	✓
" " Are Frame and Reversed Frame joggled?.....			Spacing.....	24"	✓
Bracket Floors, breadth and thickness at middle line.....			Poop Deck, Angle, \angle or \angle		
" " breadth and thickness at margin plate.....			Spacing.....		
			Bridge Deck, Angle, \angle or \angle		
			Spacing.....		
			Forecastle Deck, Angle, \angle or \angle		
			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.
PILLARS, No. of Rows. <i>FIVE</i>				
in 'tween Decks, Size and Spacing.....	<i>2 1/2" x 5/16" TUBE SPACED 8'-0"</i>		Stringer Plate, breadth and thickness in way of Bridge.....	<i>72" x 3/4" FOR 18'-0"</i>
" " " " " "			Thickness of Plating abreast Deck openings in way of Wells.....	<i>TIE PLATE 9/20"</i>
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge.....	<i>5/20"</i>
" " " " " "			Thickness of Plating within line of openings.....	<i>5/20"</i>
Centre Line Bulkhead.			If Sheathed, material and thickness.....	<i>TEAK 2 1/2"</i>
Stiffeners and Spacing.....	<i>4" x 3/8" TUBE SPACED 8'-0"</i>		2ND DECK ABOVE Third Deck.	
Plating, thickness of.....			Stringer Plate, breadth and thickness.....	<i>10" x 5/20"</i>
STRINGERS AND DECKS.			If Plated, state thickness.....	
Uppermost Continuous Deck, MAIN.			3RD DECK ABOVE Fourth Deck.	
Stringer Plate, breadth and thickness in Wells.....	<i>36" x 3/20"</i>		Stringer Plate, breadth and thickness.....	<i>8" x 5/20"</i>
" " " " " " in way of Bridge.....	<i>48" x 3/20"</i>		If Plated, state thickness.....	
" " " " " " Angle in Wells.....	<i>3 x 3 x 7/20"</i>		Poop Deck.	
Thickness of Plating abreast Deck openings in way of Wells.....	<i>9/20"</i>		Stringer Plate, breadth and thickness.....	
Thickness of Plating abreast Deck openings in way of Bridge.....	<i>8" x 9/20"</i>		Plating, Sheathing, material and thickness.....	
Thickness of Plating within line of openings.....	<i>7/20"</i>		Bridge Deck.	
If Sheathed, material and thickness.....			Stringer Plate, breadth and thickness.....	
1ST DECK ABOVE Second Deck.			Plating, Sheathing, material and thickness.....	
Stringer Plate, breadth and thickness in Wells.....	<i>72" x 3/20"</i>		Forecastle Deck.	
			Stringer Plate, breadth and thickness.....	
			Plating, Sheathing, material and thickness.....	

SHELL PLATING.				
SCANTLINGS.				
STRAKES.	AS IN VESSEL.			
	BREADTH.	THICKNESS.	FORWARD.	AFT.
	Inches.	Inches.	Inches.	Inches.
FLAT PLATE KEEL.....	<i>42"</i>	<i>1 1/2"</i>	<i>1 1/2"</i>	<i>1 1/2"</i>
" DBLG. (if any).....	<i>72"</i>	<i>9/20"</i>	<i>7/20"</i>	<i>7/20"</i>
BOTTOM PLATING, No. of Strakes.....	<i>6</i>	<i>7/20"</i>	<i>9/20"</i>	<i>9/20"</i>
BILGE PLATING, No. of Strakes.....	<i>2</i>	<i>7/20"</i>	<i>9/20"</i>	<i>9/20"</i>
SIDE PLATING, No. of Strakes.....	<i>51</i>	<i>7/20"</i>	<i>9/20"</i>	<i>9/20"</i>
MAIN DECK, Sheer-strake in Wells.....	<i>44 1/2"</i>	<i>1 1/2"</i>	<i>9/20"</i>	<i>9/20"</i>
UPPER DECK, Sheer-strake in Bridge.....	<i>50 1/2"</i>	<i>3/20"</i>	<i>7/20"</i>	<i>7/20"</i>
STRAKE BELOW SHEER-strake in Wells.....	<i>66"</i>	<i>7/20"</i>	<i>9/20"</i>	<i>9/20"</i>
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— Extending to Upper Deck (Sec. 3 c) " Deck next below 5. ✓ As per Rule							Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
STIFFENERS.						KEEL, Bar				
						STEM Forging. 8" x 2 1/4" ✓				
VERTICAL.						STERN FRAME { Propeller Post - -				
						Rudder " PLATE 1-10" THICK.				
HORIZONTAL.						RUDDER—A × D 110 1/2" x 5'-4 1/2"				
						Speed of Vessel 12 Kts.				
Scantlings.						RUDDER mainpiece at head ... 11" ✓				
						" "				

EQUIPMENT No				
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwt. qrs. lbs.
84716	1st Bower	49 2 14		
84717	2nd "	49 0 21		
84735	3rd "	42 0 0		
84892	Stream	13 0 3		

CHAIN CABLES.				
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and size per Table 53.
	Length. Diam.	Statutory. Break-ing.	Supplied. Per Rule.	Length. Diam.
	Fathoms. Ins.	Tons.	Cwts. qrs. lbs.	Fathoms. Ins.
42133	120 2"			
42148	120 2"			

HAWERS AND WARPS.				
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and size per Table 53.
	Length. Ch.	Statutory. Break-ing.	Supplied. Per Rule.	Length. Ch.
	Fathoms. Ins.	Tons.	Cwts. qrs. lbs.	Fathoms. Ins.
42133	80 8			
42148	105 3 1/2			
	360 3 1/2			
	240 3			

Steering Gear, Steam.....	<i>11" x 11" 12 1/2"</i>	Steering Gear, Hand.....	<i>Yes.</i>
Boats 4. LIFE BOATS 28'-0" 25'6" 24'-0" Steering Chains, Size and Test.....	<i>1 5/8"</i>	Windlass.....	<i>9 1/2" x 9 1/2"</i>
Ceiling in Holds, thickness and material.....	<i>2" O.P.</i>	Cargo Battens, thickness, material and spacing.....	<i>1 1/2"</i>
Cargo Hatchways. (Upper Deck).....		Thickness of Hatches.....	<i>2 1/2" O.P.</i>
Size of No. 1 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>	No. 2 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>
No. 2 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>	No. 3 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>
No. 4 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>	No. 5 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>
No. 6 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>	No. 7 Hatchway (Forward).....	<i>18'-0" x 18'-0"</i>
Number of Shifting Beams and/or Fore and Afters.....	<i>103 1-3-4 H. 3 BEAMS.</i>	No. 2 H. 4 BEAMS.....	<i>102 H. 4 BEAMS.</i>

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *NO* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *NO* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel trades in fuel water, has been completely surveyed from time to time over a period of years by the surveyors to this Society, in order that, under the Treaties, a certificate might be furnished to the Lloyd's Surveyors.

(Have see overleaf for details of survey carried out at this time.)

The amount of Entry Fee..... £	<i>1470</i>	Fees applied for.....	<i>10 May 1938</i>
Special Survey Fee..... £	<i>30</i>	Received by me.....	<i>12 May 1938</i>
Travelling Expenses, if any £	<i>30</i>	I am of opinion the Vessel should be Classed <i>A1 for Service on the Yangtze River.</i>	
State whether the Vessel has been built under Special Survey.....	<i>No.</i>	Signature.....	<i>G. P. P.</i>
Certificate to be sent to.....		Surveyor to Lloyd's Register of Shipping.	
Committee's Minute.....	<i>TUE 16 MAY 1939</i>		
Character assigned.....	<i>Noted</i>		

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:

Midship Section.

W. T. Bulwarks.

Pillars & deck guides

Shell expansion

Open hang shades.

How done for Survey:

Vessel placed in a dry dock, bottom & under cleaned, examined & found in good condition, afterwards re-coated.

seams, floors (ceiling lifted). E & B. spaces, bulkheads, decks, hatchways, casings, ventilators, windlass, steering gear, anchors & cables, chain locker & general equipment, boats, sounding pipes (plates under) cargo doors & frames per spaces examined & all parts found in good condition. Seams tested & found tight.

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

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 is joined to the B.D., this should be distinctly stated

O.L. 362.7' (See letter)

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

Official No. : Signal Letters

particulars of composition Bitumastic

Is bottom of Vessel coated with cement do if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	—	38
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	42
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,	—	—
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.

Order for Special Survey No.

Date

Dates of Surveys held while building



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Lloyd's Register
Foundation of Visits 6