

## STEEL STEAMER or MOTORSHIP.

Received at London Office 18 JAN 1937

State if Report has been sent on the Freeboard of the Vessel No

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

Date of completion of report 17<sup>th</sup> December 1936

Port of Yokohama

No. 5918

Survey held at Yokohama &amp; Tokio.

Date First Survey 23<sup>rd</sup> March, 1936Last Survey 15<sup>th</sup> December, 1936On the (State if Machinery fitted Aft and  
if Single, Twin or Triple Screw)

Steam-propelled, 120 ton "FLOATING CRANE"

See No 333 new ship not name

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

State Type of Erections Nil

TONNAGE under  
Tonnage Deck... 685

CLASS No 100 A1

State if with freeboard  
as condition of Class No

Built at Yokohama &amp; completed Tokio

Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.Length from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)

L 36 118.10

Launched 24<sup>th</sup> July 1936

Yard No. 333

Built by Shikawana &amp; B to Tokio

Total

Breadth (greatest moulded)

B 18

59.05

Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)

D 3.5

11.48

Owners USSR, Union of Soviet Socialist  
Republics.

Gross Tonnage 792

Register Tonnage

1st Longitudinal Number (L x D) = 1357

Managers

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

2nd Numeral L x (B + D) = 8319

Residence

REGISTERED DIMENSIONS.  
FEET.

Length

Framing Depth "d," at middle of length. See  
Sec. 3 (1d)Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keelDo. Long Bridge to top  
of keel

Breadth

Port of Registry Vladivostok

If surveyed while building, afloat, or in dry dock

Building and afloat.

Depth

Draught Moulded

## 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>	Longitudinal		<b>Bracket Floors, Frame</b>	Longitudinal	
" " from $\frac{3}{8}$ length to Collision bulkhead	Rpt 1 *		" " Reversed Frame	Rpt 1 *	
" " in peaks			" " Vertical Struts		
<b>FRAME FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
<b>Frame Amidships, Angle, [ or ]</b>			" " top Angles		
" " Extends up to			" " bottom Angles		
<b>Reversed Frame Amidships, Angle</b>			<b>Side Girders, No. each side and thickness</b>		
" " Extends up to			<b>Margin Plate</b> depth (excl. of flange) and thickness		
<b>Depth of Framing Girder</b>			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>			" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " <b>Second 'tween Decks, Angle, [ or ]</b>			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " <b>Third</b> " " "			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
<b>Framing in Peaks, Angle or [</b>			<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 amid- ships</b>			<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>			Breadth and thickness of Middle Line Strake		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars			Thickness of remainder in Holds		
<b>STRENGTHENING OF BOTTOM FOR- WARD.</b> 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?		
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>Uppermost Continuous Deck, amidships</b> in Wells, Angle, [ or ]		
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]		
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>			Spacing		
" " Through Plate or Intercostal Plate			<b>Second Deck, amidships, Angle, [ or ]</b>		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle, [ or ]</b>		
<b>Side Keelsons, No. each side</b>			Spacing		
" " thickness of Intercostal Plate			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
" " Angles			Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>		
<b>Solid Floors, thickness and spacing</b>			Spacing		
" " Are Frame and Reversed Frame joggled?			<b>Bridge Deck, Angle, [ or ]</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>			Spacing		
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle, [ or ]</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</b> , No. of Rows.....	3 as approved plan			✓		Stringer Plate, breadth and thickness in way of Bridge .....	✓				
" in 'tween Decks, Size and Spacing .....						Thickness of Plating abreast Deck openings in way of Wells .....	✓				
" " " " " " " " " " " "						Thickness of Plating abreast Deck openings in way of Bridge .....	✓				
" in Holds " " " " " " " " " " " "						Thickness of Plating within line of openings...	✓				
" " " " " " " " " " " "						If Sheathed, material and thickness .....	✓				
<b>Centre Line Bulkhead.</b>						<b>Third Deck.</b>					
Stiffeners and Spacing.....	✓					Stringer Plate, breadth and thickness.....	✓				
Plating, thickness of .....	✓					If Plated, state thickness.....	✓				
<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						If Plated, state thickness .....	✓				
Upper deck plating amidships	9					<b>Poop Deck.</b>					
" " " " " in way of Bridge	8					Stringer Plate, breadth and thickness .....	✓				
" " " " " main girders	12 x 8					Plating, Sheathing, material and thickness ..	✓				
" Angle in Wells .....	130 x 130 x 12					<b>Bridge Deck.</b>					
Thickness of Plating abreast Deck openings in way of Wells .....	✓					Stringer Plate, breadth and thickness.....	✓				
Thickness of Plating abreast Deck openings in way of Bridge .....	✓					Plating, Sheathing, material and thickness ..	✓				
Thickness of Plating within line of openings...	✓					<b>Forecastle Deck.</b>					
If Sheathed, material and thickness .....	✓					Stringer Plate, breadth and thickness.....	✓				
<b>Second Deck.</b>						Plating, Sheathing, material and thickness ..	✓				
Stringer Plate, breadth and thickness in Wells...	✓										

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>cpo</i>	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	✓											
" DBLG. (if any) .....	✓											
BOTTOM PLATING, No. of Strakes .....		10	9	9	✓	Double	19	46	3-2	19	66	Lapped
BELGE PLATING, No. of Strakes .....	Under main girders	14	9	9	✓	"	22	88	3-2	22	76	"
SIDE PLATING, No. of Strakes .....		9	9	9	✓	"	19	76	2	19	66	"
UPPER DECK, Sheer-strake in Wells .....		9	9	9	✓	"	19	76	2	19	66	"
UPPER DECK, Sheer-strake in Bridge ...		✓										
STRAKE BELOW Sheer-strake in Wells .....		✓										
STRAKE BELOW Sheer-strake in Bridge ...		✓										
POOP SIDE PLATING ends of poop			9	9		"	19	76	2	19	66	"
BRIDGE SIDE PLATING ...												
FORECASTLE SIDE PLATING												

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	3	✓
Extending to Upper Deck (Sec. 3 c)	3	
" Deck next below	✓	
As per Rule	✓	

## STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.	
		SCANTLINGS.		SPACING.	SCANTLINGS.		SPACING.
		m	n		m	n	
MIDSHIP BULKHEAD, Upper 'tween decks	9	150	90 x 9	783	✓	✓	
" " Second "							
" " Third "							
" " Holds .....							
<b>COLLISION</b> " (in Hold) .....							
<b>AFTER PEAK</b> " " .....							

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....				
<b>STEM</b> .....				
<b>STERN FRAME</b> { Propeller Post .....				
{ Rudder " .....				
<b>Speed of Vessel</b> .....				
<b>RUDDER—Type</b> .....				
" A x D .....				
" Diam. of head .....				
" Mainpiece at top pintle				
" " heel ...				
" how constructed .....				
" double or single plate coupling, vertical or horizontal .....				

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Asano Shipbuilding Co., Yawata Steel Works, Yawata, Japan

Has the Steel been tested as required by the Rules? Yes.



EQUIPMENT No												LETTER	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
1214	1st Bower ...	16	1	19	4	0	15	17	16	0	0	✓	Ordinary Stock	Piffon Steel Foundry Ltd	Osaka 3-9-36 Z. Shuka
1215	2nd " ...	16	2	15	4	0	24	17	16	0	0	✓	"	"	"
1216	3rd " ...	16	0	4	4	0	19	17	16	0	0	✓	"	"	"
	Collective weight.														
	Stream .....														

CHAIN CABLES.												HAWSERS AND WARPS.						
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.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Diam.	Length.		Diam.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
	<i>Fathoms.</i>	<i>Ins.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Cwts.</i>	<i>qrs.</i>	<i>lbs.</i>											
	<i>Sheets</i>	<i>n n</i>	<i>metric</i>	<i>metric</i>	<i>kilos</i>													
116	✓	✓								Stud link	Osaka Deiso Koki KK.	Yokohama 13/8/36 J. McLashan.	TOWLINE...	270	22	✓ 22.62		
													HAWSERS & WARPS	330	18	✓ 17.15		
													Manilla	330	50	✓ 18.84		
													"					
													"					
Iron Stream Chain or Steel Wire	✓																	

Steering Gear, Steam *None* Steering Gear, Hand *None*

Boats *One gig* Steering Chains, Size and Test *None* Windlass *Good; Electric.*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*

Cargo Hatchways.-(Upper Deck) Thickness of Hatches

Size of No. 1 Hatchway (Forward) No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters

Builder's Signature *A. Murata*

**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

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

The vessel is fitted for burning oil fuel F.P. above 150°F, carried in two self contained tanks of 10 tons capacity each installed in the engine room

A ballast trimming tank of 240 tons capacity is fitted adjacent to the engine room.

A feed water tank of 13 tons capacity is fitted in the boiler room. *None out*

The crane was tested with a load of 144 tons.

The materials and workmanship are good.

The ballast, fuel and feed water tanks were tested under pressure with good results and the weather deck hose tested and found watertight.

No name has been assigned by the U.S.S.R. to this vessel. It was stated that it would be towed to Vladivostok for service at that port.

The vessel has not been officially measured for tonnage.

The amount of Entry Fee ..... £ 4 : 0 : 0 Fees applied for, 18-12-1936

Special Survey Fee.... £ 110 : 0 : 0 Received by me, 3.5 10/37 3/5

Travelling Expenses, if any *73* : *17* : *52*

Kobe Exp. " *52*

I am of opinion the Vessel should be Classed *100A1*

Floating crane. Longitudinal framing.

State whether the Vessel has been built under Special Survey *Yes.* Signature *A. McLashan*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Yokohama* Date of issue *5/2/37.*

Committee's Minute *FRI 29 JAN 1937*

Character assigned *+ 100A1*

*Floating crane*

*Lloyd's A+C D*

*Wice YKA*

*Brink*



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.)

The following plans of the vessel as built are forwarded:—  
✓ Sidship section, ✓ Construction plan, ✓ general arrangement, ✓ main girders & centre girders, ✓ Shell expansion.

Rpt. 1 \*

Port of Yokohama

18 JAN 1937

Continuation of Report No. 5918 dated 17<sup>th</sup> Dec. 1936 on the

120 TON FLOATING CRANE.

Hull built by Messrs. Iwano S. B. Co. Yokohama.

Hull No. 333.

### Particulars of Longitudinal Framing

(Metric units)

		Rivets in long. girders	Rivets in brackets	
		Diagon spacing	Diagon diam.	
Bottom longitudinal	[ 200 x 80 x 7.5 ✓	19	114	8 19 ✓
"	" Spacing 740 centre to main girders ✓			
"	" 783 main girders to chine ✓			
Side longitudinal	[ 150 x 75 x 6.5 from deck 1st & 2nd ✓	19	114	5 19 ✓
"	[ 180 x 75 x 7 " 3rd & 4th ✓			6 19 ✓
"	" Spacing 8 x 5.700 ✓			
Deck longitudinal	[ 125 x 65 x 6 outside girders spaced 780 783 ✓			
"	[ 150 x 75 x 6.5 within girders " 780 740 ✓			

### Transverses.

	Upper deck	Side	Bottom	
Depth and thickness	400 x 9	350 x 9	600 x 9	✓
Face angles.	125 x 45 x 9	75 x 45 x 9	150 x 90 x 9	✓
Lugs to shell and deck	130 x 130 x 9	130 x 130 x 9	130 x 130 x 9	✓
Rivets to (diam. & spacing)	16 x 80 spacing	16 x 80	19 x 95	✓
Spacing transverses	3,000	3,000	3,000	✓

One centre girder and two side girders supported by pillars and has been constructed in accordance with the approved detailed plans.

A. McIlashou.

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

Floating crane, Longitudinal framing.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 15.2.0 F.A. 1214 2.9.36
	2nd " 15.3.5 " 1215 "
	3rd " 15.0.14 " 1216 "

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

No. and Material of Decks One Steel.

Official No. : Signal Letters Is bottom of vessel coated with cement if not give particulars of composition

### PARTICULARS OF WATER BALLAST.— See General Declaration

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
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,		
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. 31

Date 29<sup>th</sup> Nov. 1935

Dates of Surveys held while building

23/3/36, 14/4, 16/4, 21/4, 7/5, 9/5, 14/5, 22/5, 25/5, 29/5, 4/6, 8/6, 12/6, 17/6, 25/6, 27/6, 29/6, 7/7, 22/7, 27/7, 11/9, 26/10, 29/10, 13/11, 15/12/36.

Total No. of Visits 25.