

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

No. 6498

Last Survey 20th April 1920

machinery, etc.

Full Scantling

State Type of Erections *Forecastle, Short Bridge*
Long Roof.

CLASS + 100A1

State if with freeboard } no
as condition of Class }
FEET

Built at Osaka

Length from fore part of stem to after part of stern } L 370
post on summer L.W.L. See Sec. 3 (1a)

Total

Breadth (*greatest moulded*) B 51

Gross Tonnage.....4804.78

Depth, at middle of length from top of keel to top)

Register Tonnage 2730.56

1st Longitudinal Number (L × D).....= 10730

2nd Numeral $L \times (B + D) \dots\dots\dots = 29600$

REGISTERED DIMENSIONS.
FEET.

Framing Depth "d," at middle of length. See } 25
Sec. 3 (1d)

Length 370

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

Breadth 51

Do. Long Bridge to top }
of keel

Depth 29

Draught Moulded 23'-7.36'

Launched 28 Feb. 1929 Yard No. 1125

Builders hunt Oaks Iron works

Owners Dairen Kisen Kabushiki Kaisha

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

Residence

Port of Registry **Dairen**

If surveyed while building, afloat, or in dry dock

While building

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	33"		Bracket Floors, Frame	9 x 3 1/2 x 37 1/2	
" " from 1/2 length to Collision bulkhead.....}	27"		" " Reversed Frame	9 x 3 1/2 x 37 1/2	
" " in peaks.....}	24"		" " Vertical Struts	9 x 3 1/2 x 37 1/2	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	41" x 50	
Frame Amidships, Angle, E or F	8 3 1/2 43		" " top Angles	3 x 3 x 50	
" " Extends up to	upper deck		" " bottom Angles	4 x 4 x 50	
Reversed Frame Amidships, Angle	10 3 1/2 47		Side Girders, No. each side and thickness	one .38	
" " Extends up to	upper deck		Margin Plate depth (excl. of flange) and thickness	36" x 50	
Depth of Framing Girder	14 1/2"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x 45	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	-		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	See margin plate - see app. plan	
" " Second 'tween Decks, Angle, E or F	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	6 x 6 x 45	
" " Third " " " " " "	-		" " Gussets, spacing and scantling forward 1/2 len. from stem	See app. plan	
Framing in Peaks, Angle or E or F	7 1/2 3 34		Tank Side Brackets, height above base line at toe of Frame and thickness	76 1/2"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" diam at 6 dia. apart.		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	49" x 48	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Long for peak in approved plan.		Thickness of remainder in Holds43	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Add 4 in. int. girders: double riveted frames, bottom plating maintained midship thickness as required by Reg. II		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?	yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	7 1/2 x 3 1/2 x 36	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	6 1/2 x 3 1/2 x 32	half beams
Middle Line Keelson, on Floors, Angles, E or F			" " Spacing	7 1/2 x 3 1/2 x 36	Every frame
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors			" " Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side			" " Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			" " Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	8 x 3 x 44	
Solid Floors, thickness and spacing	Every 3rd frame .41"		" " Spacing	Every frame	
" " Are Frame and Reversed Frame joggled?	Frame joggled Reversed not		Bridge Deck, Angle, E or F	6 1/2 x 3 x 50	
Bracket Floors, breadth and thickness at middle line	30 1/2 x 41		" " Spacing	2 1/2 x 2 x 25	Every frame
" " breadth and thickness at margin plate	30 1/2 x 41		Forecastle Deck, Angle, E or F	7 x 3 1/2 x 46	
			" " Spacing	Every frame	

EQUIPMENT No. 30907												LETTER	30	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.	Cwts.				
941	1st Bower	54	2	8	-	-	-	45	2	3	7		Hall Inf. ^d Stocklin	Kobe Steel Works	Kobe 2.11.29 A.W.	
938	2nd "	54	1	16	-	-	-	44	19	2	21		ditto	"	" " "	
939	3rd "	53	3	14	-	-	-	44	13	3	-		ditto	"	" " "	
	Collective weight.	162	3	10								160. 0. 0				
948	Stream	15	0	16	4	0	1	16	12	0	21	15. 0. 0	Ordinary.	"	" " "	

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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.				TOWLINE ...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1606	274½	2½	9½	113½	683-0-19	603-3-0	270	2½	Steel wire Chain Cable.	Osaka 4-1-29, Y.S.		HAWSERS & WARPS }	130	4½	66-16	120	4½
Iron Stream Chain of Steel Wire.	90	Cir. 4½		64½			90	Cir. 4½	Tokio Steel Wire.	Osaka 17-9-28 Y.S.		"	90	7" Hump.		90	7"
												"	90				
												"	90				

Steering Gear, Steam *Vertical type, two cylinders, makers Osaka Iron Works* Steering Gear, Hand *Letter head & loupes*

Boats *2 life boats 22' x 7.25' x 3.0 1 cutter 18' x 4.75' x 1.68* Steering Chains, Size and Test *Letimotor* Windlass *2 cyl. hor. type*

Ceiling in Holds, thickness and material *2 1/2" Japanese pine laid on 3' x 2 1/2" battens* Cargo Battens, thickness, material and spacing *none.*

Cargo Hatchways.—(Upper Deck) *Steel plate and angles* Thickness of Hatches *2 1/2"*

Size of No. 1 Hatchway (Forward) *30'-3" x 28'* No. 2 *27'-9" x 28'* No. 3 *27'-9" x 28'* No. 4 *30'-3" x 28'* No. 5 *30'-3" x 28'* No. 6

Number of Shifting Beams and/or Fore and Afters *four & each hatch; no fore and afters.*

Builder's Signature

GENERAL DECLARATION

This vessel has been built under special survey and in accordance with the Rules and approved plans. The materials and workmanship employed were good. The materials have been tested in accordance with the Society's requirements.

The Tanks, the double bottom tanks, the wells, the bulkheads, the hand pumps and the watertight doors have all been tested as required by the Rules.

The Vessel is eligible to have the notation "Lloyd's A & C P" also "Cargo Battens not fitted"

The amount of Entry Fee *yen: 87.50* Fees applied for, *17/4/1929*
Special Survey Fee *yen 5170.00* Received by me, *28.6.29*
Indemnity fee
Travelling Expenses if any *yen: 254.00*
Special Deadweight *yen 100.00*
State whether the Vessel has been built under Special Survey *yes*

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

Signature

Surveyor to Lloyd's Register of Shipping

Certificate to be sent to *Builder* Date of issue *24/5/29*

Committee's Minute *FRI. 24 MAY 1929*

Character assigned *+ 100 A1*

Lloyd's A & C P
Cargo Battens not fitted

+ LMC 4:29
O.G. F.D.

My



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Lloyd's Register Foundation

W1314-01802 1/2

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.)

Prints of midship Section and Profile & Decks, as built, together with fitting certificates & steel advice notes are forwarded herewith.

This vessel is a sister vessel of S.S. Benjam mark - Kobe Report 6426

The approved plans are in the London Office.

The difference in tonnage between the two vessels is stated to be due to an error in the measurement of the Benjam mark.

Rpt. 4.

RE

Date of writing Report

No. in Surveyor's Reg. Book.

on the

Built at

Engines made at

Boilers made at

Registered Horse Power

Nom. Horse Power

Trade for which

ENGINES, &c.

Dia. of Cylinder

Crank shaft, dia.

Intermediate Shaft

Tube Shafts, dia.

Bronze Liners, &c.

propeller boss

If the liner does not

If two liners are

end of the tube shaft

Propeller, dia.

Feed Pumps, &c.

Bilge Pumps, &c.

Feed Pumps, &c.

Ballast Pumps, &c.

Are two independent

Bilge Pumps;—In

In Holds, &c.

Main Water Circulation

No. and size

Are the Bilge Suction

Are all Sea Connections

Are they fixed sufficient

Are they each fitted

What Pipes are carried

What pipes pass through

Are all Pipes, Cock

Is the arrangement of

compartment to another

MAIN BOILER

Is Forced Draft

IS A REPAIR

IS A DONOR

PLANS. Are

Superheaters

SPARE GE

bottom end

bolts, 1/2

rings for

complete

for boiler

The for

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

1st Bower	32-1-9	A.W.	941 Kobe	2nd Nov 1928
2nd "	32-0-15	A.W.	938 Kobe	2nd Nov 1928
3rd "	31-2-0	A.W.	939 Kobe	2nd Nov 1928
Stream	15-0-16	A.W.	948 Kobe	2nd Nov 1928

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 96.25 ft., R.Q.D. — ft., Bridge 19.25 ft., Forecastle 46.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 Dk. Elk.

Official No. : Signal Letters

Is bottom of Vessel coated with cement. Pavlin. if not give

particulars of composition Palladum Ammon & Sand

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		529
Double bottom, under Engines and Boilers,	60.5	182	After peak tank,		232
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, & Amidships	235.0	822.0	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. 17

Date 16 Feb 1928

Dates of Surveys held while building

1928: June 5, 14; July 6, 12, 18, 19, 25, 27; Aug 3, 10, 15, 22; Sept 27; Oct 4, 9, 11, 22, 25, 31;
Nov 8, 12, 30; Dec 4, 25,
1929: Jan 7, 9, 15, 18, 21, 25, 30; Feb 7, 9, 13, 16, 20, 21; March 6, 14; April 2, 5, 10, 16, 20

Total No. of Visits 44