

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

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure Vessel, without tonnage openings State Type of Erections Forecastle.

Built at Nagasaki.

Launched 11th July 1930 Yard No. 473.

Nagasaki Works,
Builders Mitsubishi Zosen Kaisha Ltd.

Owners Osaka Shosen Kabushiki Kaisha

Managers / 11111
(Where necessary to be entered in Reg. Book.)

Residence Osaka.

Port of Registry Osaka.

If surveyed while building, afloat, or in dry dock

While Building.

1m, 1.27, T.

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.....			Stringer Plate, breadth and thickness in way of Bridge	50 1/2 .44	
" in 'tween Decks, Size and Spacing.....	Widely Spaced		Thickness of Plating abreast Deck openings in way of Wells .....	.40- .34	
" " " " " "	Pillars.		Thickness of Plating abreast Deck openings in way of Bridge .....	.40	
" in Holds " "			Thickness of Plating within line of openings.....	.34- .32	
" " " " " "			If Sheathed, material and thickness	/	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	.34	
Plating, thickness of			If Plated, state thickness.....	.42 in way of Deep tank.	
				.30	
				.42 in way of Deep tank.	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells			If Plated, state thickness	/	
" " " " in way of Bridge	64 .66		Poop Deck.		
" Angle in Wells	6 6 .66		Stringer Plate, breadth and thickness	/	
Thickness of Plating abreast Deck openings in way of Wells .....	.52 at cargo hatchway		Plating, Sheathing, material and thickness ...	/	
Thickness of Plating abreast Deck openings in way of Bridge .....	.49 at casing.		Bridge Deck.		
Thickness of Plating within line of openings.....	.42- .36		Stringer Plate, breadth and thickness.....	30 .32	
If Sheathed, material and thickness	3" O.P. where exposed in way of B.Dk.		Plating, Sheathing, material and thickness ...	.25- .20 Tie plate 3" O.P. where exposed 2 1/2" O.P. inside house.	
	2 1/2" O.P. inside dk house.		Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	/	
Stringer Plate, breadth and thickness in Wells...	/		Plating, Sheathing, material and thickness ...	.36	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.	STRAPPED OR LAPPED.	
	Inches.	Inches.	Inches.	Inches.			Diam. Spacing cr. to cr.		Inches. Spacing cr. to cr.		
FLAT PLATE KEEL	55	.85	.75	.75		Double	1 4	4-3	1 4"-3 1/2"		
" DBLG. (if any)		/				/		/			
BOTTOM PLATING, No. of Strakes .....		.67	.67	.52		Double	7/8 3 1/2	4-3	7/8 3 1/2"-3 1/2"		
" of Strakes .....		.67	.52	.52	Three strakes next to keel maintained to coll. bulkhead.	"	" "	"	" "		
BILGE PLATING, No. of Strakes .....		.67	.52	.52		"	" "	3	" 3"		
SIDE PLATING, No. of Strakes .....		.65	.49	.49		"	1 4	4-3	1 4"-3 1/2"		
UPPER DECK, Sheer-strake .....	.89	.78	.49	.49		/		/			
UPPER DECK, Sheer-strake in Bridge ...	/					/		/			
STRAKE BELOW Sheer-strake in Wells.....		.65	.49	.49		Double	7/8 3 1/2	4-3	7/8 3 1/2"-3 1/2"		
STRAKE BELOW Sheer-strake in Bridge ...	/					/		/			
POOP SIDE PLATING	/					/		/			
BRIDGE SIDE PLATING ...	/					/		/			
FORECASTLE SIDE PLATING			.44			1	7/8 3	1	7/8 2 5/8"		

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	1.
" Deck next below	7.
As per Rule	7.

For particulars of remaining bulkheads Please see approved plan.		STIFFENERS.			
		Plating Thickness.	VERTICAL.	HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.
MIDSHIP BULKHEAD, Upper two decks	160	.28-.26	24		
	160	.32 6x3x.38BA	24		
	160	.28 6x3x.38BA	24		
	160	.28 6x3x.38BA	30		
	110	.26 6x3x.38BA	30		
	110	.26 6x3x.38BA	30		
	110	.48 10x3x.31x.46C	30		
	110	.30 7x3x.34BA	24	Semibox beam pl.	
COLLISION	160	.56 10x3x.31x.44C	24		
AFTER PEAK	10	.70 8x3x.36BA	24		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	/			
STEM	R.S. 10 1/2 x 5/8		Larnarkshire Steel Co.	
STERN FRAME { Propeller Post	Brackets C.S. Approved plan.		Kobe Steel Works.	
{ Rudder	"			
RUDDER—A x D.....		773.50		
Speed of Vessel.....		14 1/2		
RUDDER mainpiece at head ...	F.S.	14	Nippon Seikosh Co., Muroran.	
" " heel		11		
" how constructed	Built.	See approved plan.		
" double or single plate	Double	.50		
" coupling, vertical or horizontal	Vertical	36"x33"		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Process. Larnarkshire Stl Co. David Colville & Sons Ltd. Consett Iron Co. Frodingham Iron & Steel Wks. Bolckow, Vaughan & Co. The Steel Co of Scotland. Pease & Partners Ltd. Dorman Long & Co. Maunsmannrohren-Werke Abt. Schulz Knaut of Huckingen. Vereinigte Stahlwerke A.G. Hamborn. Vereinigte Stahlwerke A.G. Hoerder Verein of Hoerde. Vereinigte Stahlwerke A.G. Hutte R.M. Meiderich. Has the Steel been tested as required by the Rules? Yes. Vereinigte Stahlwerke A.G. Niederrheinische Hutte. Vereinigte Stahlwerke A.G. Stahlund Walzwerke.

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.)

PILLARS, No. of Ro

" in 'tween

" "

" in Holds

" "

Centre Line Bul
Stiffeners and Sp

Plating, thicknes

STRINGERS AND
Uppermost Con
Stringer Plate, l

" "

" Angle

Thickness of l
in way of W

Thickness of
in way of B

Thickness of l

If Sheathed, l

Second Deck
Stringer Plate

STRAKES

FLAT PLATE KE

" DBLG

BOTTOM PLATING
of Strakes ..

BILGE PLATING
Strakes

SIDE PLATING
Strakes

UPPER DECK,
strake ~~max~~

UPPER DECK
strake in B

TRAKE BELO
strake in V

TRAKE BELO
strake in I

POOP SIDE PI

BRIDGE SIDE

FORECASTLE S

total No.

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

1st Bower	51-3-12.	N.B.	4108.	22-11-29.	Anchor Cert No.1397.
2nd "	52-1-18.	"	4109.	"	"
3rd "	51-1-26.	"	4110.	"	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop / ft., R.Q.D. / ft., Bridge / ft., Forecastle 40.0 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) 3 dks. stl. U.Dk. part W.S. no

Official No. 36117. ; Signal Letters V.H.M.G.

Particulars of composition Fore and aft peak tanks and F.W.tanks cement washed. F.O.tanks not coated. Is bottom of Vessel coated with cement / if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity Tons.
Double bottom, aft,	126.5	225.49	Fore peak tank,	25.27	95.79
Double bottom, under Engines and Boilers,	63.25	429.33	After peak tank,	20.56	88.79
Double bottom, if under Engines only,	183.5	640.61	Deep tank, aft, Wing tanks (P & S).	104.5	977.66
Double bottom, if under Boilers only,	Total capacity of double bottom	1295.43	Deep tank, forward,	35.75	1184.51
Double bottom, forward,	* The wells are not to be included in the lengths of the tanks.		Other tanks, if fitted, (If necessary, furnish further information by sketch.)		

Order for Special Survey No. 93

Date 16th April 29
LONDON.

Dates of Surveys
held while building

1929. Dec. 26.
1930. Jan 9.27.30.31 Feb 3.15.17.19.21.22 Mar 1.4.10.14.17.18.19.21.26.
28.29 Apr 11.15.16.21.22.23.30 May 1.2.5.9.10.12.14.15.19.23.29.
June 3.5.6.9.10.11.12.13.16.19.26.27.30 July 2.9.10.11.17 Aug 5.7.
9.18.19 Sep 2.12.17.18.25.27.30 Oct 2.4.10.14.18.