

Received at London Office

IN D.O.

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

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

Date of completion of report 23rd May 1949 Port of Copenhagen No. 12745

Survey held at Aalborg Date First Survey 28th August 1947 Last Survey 17th May 1949

On the ⁷ (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Steamer, Kamma Dan (1700/1800)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) C.S.S. with closed tonnage opening State Type of Erections Forecastle

TONNAGE under } 3056.44 CLASS **+** 100 A1 State if with freeboard } yes Built at Aalborg
Tonnage Deck ...

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 300'-0"

Breadth (greatest moulded) } B 46'-6"

Launched 8th January 49 Yard No. 76

Builders A/S. Aalborg Værft

Total 3400 62

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. Sec. Sec. 3 (1a) } D 30 ± 0

Owners Rederiet Ocean A/S.

Gross Tonnage 5790.83 1st Longitudinal Number (L \times D) = 836.109.
 Register Tonnage 1944.39 2nd Number (B \div D) = 2132.059

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

REGISTERED DIMENSIONS.

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

5.126

Residence

Length **305.8**
 Proportions—Depth to Length—Uppermost continuous deck to top of keel } **10.00**
 Do Long Bridge to }
 Port of Registry..... **Esbjerg**
 If surveyed while building afloat ^{and} in dry dock

Depth 46.5
 Depth 27.5 Draught Moulded 6.501
 If surveyed while carrying, afloat, a cargo of yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	m/m IN SHIP.	Any Departure from Approved Plans to Be Noted.	m/m IN SHIP.	Any Departure from Approved Plans to Be Noted.
FRAMES, Spacing amidships.....	710 ✓	✓	Longitudinal Bracket Floors, Frame L ✓	230 90 11 ✓
" " from ½ length amidships to Collision bulkhead.....}	685 ✓	✓	Longitudinal Reversed Frame..... T ✓	200 75 10.5 ✓ appr 170x75+11.5
" " in peaks	610 ✓	✓	" " Vertical Struts	100x9 ✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	970x12 ✓
Frame Amidships, Angle, E or C ✓	230 90 13 ✓	✓	" " top Angles	welded ✓
" " Extends up to.....	250 90 11 ✓	✓	" " bottom Angles.....	160x11.5 welded to Centre girder, riveted through keelson plate ✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness.....	one 8.5
" " Extends up to ...	✓	✓	Margin Plate depth (excl. of flange) and thickness	800x11 ✓ 785x11 appr.
Depth of Framing Girder.....	✓	✓	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	welded ✓
Frames in Uppermost Continuous Tween Decks, Angle, E or C ✓	90 75 10 ✓	✓	" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area	welded ✓
" " Second Tween Decks, Angle, [or]	✓	✓	" " Gussets, spacing and scantling abaft ¼ len. from stem.....	cont. ✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area	cont. ✓
" " from ½ len. for'd. to 15% len. from Stem	120 80 11 ✓	✓	Tank Side Brackets, height above base line at toe of Frame and thickness }	980x9.5 ✓
" " in Peaks, Angle or [.....	180 90 9 ✓	✓	INNER BOTTOM PLATING.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	19 7/16 135 spaced.	✓	Breadth and thickness of Middle Line Strake.....	10.5 fitted ✓ at headships
State if Frame Joggled.....	no ✓	✓	Thickness of remainder in Holds	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	yes ✓	✓	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 ✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?	yes ✓	✓	BEAMS.	
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in } Welle, Angle, E or C ✓	150 75 9.5 ✓
Floors, Depth and thickness at mid-line in Holds.....	✓	✓	" " in way of Bridge, Angle, [or]	✓
Height of Brackets at side above base line at toe of frame.....	✓	✓	Spacing	710 ✓
Middle Line Keelson, on Floors, Angles, [or]	✓	✓	Second Deck, amidships, Angle, E or C	180 75 9.5 ✓
" " Through Plate or Inter-costal Plate	✓	✓	Spacing	710 ✓
" " Foundation Plate on Floors	✓	✓	Third Deck, amidships, Angle, [or]	✓
" " Flat Plate Keel Angles	✓	✓	Spacing.....	✓
Side Keelsons, No. each side.....	✓	✓	Fourth Deck, amidships, Angle, [or]	✓
" " thickness of Intercostal Plate....	✓	✓	Spacing.....	✓
" " Angles	✓	✓	Poop Deck, Angle, [or]	✓
" "	✓	✓	Spacing.....	✓
DOUBLE BOTTOM.			Bridge Deck, Angle, [or]	✓
Solid Floors, thickness and spacing	9x2130 ✓	✓	Spacing.....	✓
" " Are Frame and Reversed Frame joggled ?	no ✓	✓	Forecastle Deck, Angle, E or C	165 75 8 ✓
Bracket Floors, breadth and thickness at middle line	735x9 ✓	✓	Spacing.....	610 ✓
" " breadth and thickness at margin plate.....	735x9 ✓	✓		

003659-003670-0204 1/2

PILLARS AND DECKS.

	m/m	IN SHIP.	Any Departure from Approved Plans to be Noted.		m/m	IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	one		✓	Stringer Plate, breadth and thickness in way of Bridge	✓		✓
„ in 'tween Decks, Size and Spacing I 200, 200, 10, 16			✓	Thickness of Plating abreast Deck openings in way of Wells	8		✓
„ „ „ „ „ „ 300, 250, 10, 16			✓	Thickness of Plating abreast Deck openings in way of Bridge	✓		✓
„ in Holds „ „ „	✓		✓	Thickness of Plating within line of openings...	7.5		✓
„ „ „ „ „ „	✓		✓	If Sheathed, material and thickness	✓		✓
Centre Line Bulkhead, Stiffeners and Spacing L 120 80 10 1420 ft.			✓	Third Deck.			
Plating, thickness of	7.5		✓	Stringer Plate, breadth and thickness	✓		✓
STRINGERS AND DECKS.				If Plated, state thickness	✓		✓
Uppermost Continuous Deck.				Fourth Deck.			
Stringer Plate, breadth and thickness in Wells 2000, 12			✓	Stringer Plate, breadth and thickness	✓		✓
„ „ „ „ in way of Bridge	✓		✓	If Plated, state thickness	✓		✓
„ Angle in Wells 130 130 12			✓	Poop Deck.			
Thickness of Plating abreast Deck openings in way of Wells	9.5		✓	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...	8		✓	Bridge Deck.			
If Sheathed, material and thickness	✓		✓	Stringer Plate, breadth and thickness	✓		✓
Second Deck.				Plating, Sheathing, material and thickness ...	✓		✓
Stringer Plate, breadth and thickness in Wells 2000, 9			✓	Forecastle Deck.			
				Stringer Plate, breadth and thickness	8.5		✓
				Plating, Sheathing, material and thickness...	8.5		✓

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	State if joggled?	RIVETS.	No. of Rows of Rivets.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.
Flat Plate Keel	1750	15	14	15	✓				
„ Dblg. (if any)									
Bottom Plating, No. of Strakes A.B.C.	1905	13	21	12.5					
Bilge Plating, No. of Strakes D	2200	12.5	21	12					
Side Plating, No. of Strakes E.F.	2360	12.5	F. 21	10.5					
Upper Deck, Sheer-strake in Wells G	2250	14.5	10.5	10.5					
Upper Deck, Sheer-strake in Bridge									
Strake below Sheer-strake in Wells									
Strake below Sheer-strake in Bridge									
Poop Side Plating									
Bridge Side Plating									
Forecastle Side Plating									

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	4 Please see trans-
„ Deck next below	✓ taken copy of
As per Rule	5 Owners' Ordination letter of 18.2.46

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	7.65	E 115, 65, 9	760		
„ „ Second „					
„ „ Third „					
„ „ Holds	fr. 67	8.5, 8, 7	200, 90, 125	760	Reverse angles every 2nd stiffener 90° 90° 12.5
COLLISION „ (in Hold)	fr. 122	11, 9.5, 8.5, 2.5	75, 115	610	Chainplate bottom
AFTER PEAK „	fr. 11	8, 7.5	200, 75	610	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM Soft nose		17.5 to 13.5 plate on top.		
STERN FRAME	Propeller Post			welded stemframe with cast steel boss and wrought iron gudgeons
	Rudder			
Speed of Vessel		13 knots.		
RUDDER—Type		All welded rudder		
„ A x D		with wrought iron gudgeons as on approved plan		
„ Diam. of head		255 ft		
„ Mainpiece at top pintle				
„ „ „ „ „ „				
„ how constructed		displacement rudder		
„ double or single plate coupling, vertical or horizontal		with double 10 ft plates horizontal		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth
	The Steel Comp. of Scotland, Consett iron works, Edwilles Ltd. Dorman, Long & Co. Ltd. Gartcosh Works, Garga Fleet iron Co. Ltd.
	Has the Steel been tested as required by the Rules? yes

EQUIPMENT No. 2132 089

LETTER U

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.					
65574	1st Bower	45	2	21	✓			39	14	1	14	✓	45	Britannic	Rickard	Cradley Heath	
65575	2nd "	44	3	21	✓			39	5	0	0	✓	45	"	Sykes	2.4.1948	
65576	3rd "	38	1	7	✓			34	14	2	21	✓	38	"	a Son	Phillips	
	Collective weight	128	3	21	✓							128					
65734	Stream	12	0	0	✓	3	0	0	13	17	2	0	✓	12	Ord. Pattern E.W.	"	30.4.48

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.					Fathoms.	Ins.		Fathoms.	Ins.	Tons.	Fathoms.	Ins.
75412	272	1 ¹⁵ / ₁₆	94	132	494	3.8	511 ¹ / ₂	270	1 ¹⁵ / ₁₆	stud pink	Griffin-Wood- house Chain- cable Ltd.	Cradley Heath Phillips 5.3.48	FOWLINE 20ft HAWSE & WARPS	100	4	44 ³ / ₄	100	4		
			10. 0. 0.	6. 0. 0.										90	3 ¹ / ₂	35 ¹ / ₄	90	2 ¹ / ₂		
			H. T.																	
															</					

Steering Gear, Type (Power or hand) Steam. De Forenede Maskinfabrikker Nakskov Alternative Means of Steering Emergency Hand.

Chains (Size and Test)

Windlass Steam. De Forenede Maskinfabrikker Nakskov1 Lifeboat wood 7.68 x 2.47 x 0.92
1 Motorboat " 8.30 x 2.60 x 1.02
Boats dinghy 4.91 x 1.83 x 0.70in Holds, thickness and material 2 1/2" firCargo Battens, thickness, material and spacing 6 x 2" fir. 9" sp.Hatchways.—(Upper Deck) Steel coamings. 12" x 1/2"Thickness of Hatches 65" x 8" steel hatchesHatchways No. 1 (Fwd.) 6850 x 6100 No. 2 8520 x 6100 No. 3 8520 x 6100 No. 4 7810 x 6100 No. 5 7100 x 6100 No. 6of Shifting Beams
Fore and AftersSteel cover5554

Builder's Signature

AALBORG VÆRFT A/S

*J. Jørgensen*AL 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 yeswhether 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 (where required to be inserted in the Notation).

Green 1806 The vessel has been built in accordance with the plans, Secretary's letters and to my satisfaction. All double bottom tanks, cofferdams, fore- and afterpeak, deep-tanks and wingtanks, decks, gutterways, watertight bulkheads and doors, catwalks and shafttunnel have been tested and found good and tight. Oilfuel for the ships use is carried in double bottom tanks Nos. 1, 2, 3, 4, 6 & 7, deep tanks abaft engine room and wingtanks aft. Flashpoint for all oil above 150° F. Freeboard set up on vessels sides, verified and cut in. - During vessels launching the bottom was damaged. This damage has been repaired as per Rpt. 8. and a separate fee has been charged.

The amount of Entry Fee Freeboard £ Kr. 480.00

Fees applied for, 10/6 19 49

(Special notations, where part of class, to be stated.)

Special Survey Fee Kr. 9600.00Late Fee 2 x 60120.00

Received by me,

Travelling Expenses, if any

Kr. 1611.90

19

I am of opinion the Vessel should be Classed + 100 A 1with freeboard strengthened for navigation in ice.State whether the Vessel has been built under Special Survey yes

Signature

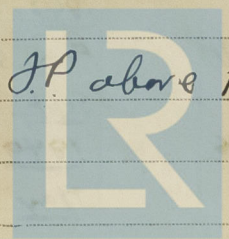
U. Jørgensen

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Surveyor's office Date of issue 10/8/49

Committee's Minute

Character assigned

+ 100 A 1 with freeboard.4.49 Abg.Lloyd's ATCP+ LMC 5.49Notes for oil fuel 5.49 J.P. above 150° FWhite Oil (H.O.)2 SB. 238 lb.J.P. CL

© 2020

Lloyd's Register Foundation

0204 42

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 vessel has been constructed for navigation in ice.

Iceframes 5 200x75x11 have been fitted from frame N: 95½ to bottom bulkhead and 5 150x90x9 from Collision bulkhead to stem. The sheelflating has been increased in thickness from about frame N: 99 to stem as an approved sheelflan attached herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts and seams of shell, decks and bulkheads. Sideframing to shell. Centre girder, floors, intercostals, reverseframes to tank top. Sternframe and rudder, hatchways and hatchwebs, deckhouses. Floors to centre girder and marginplate, bilgebrackets to marginplate, marginplate to shell and tanktop. Shafttunnel, plating of wing and deep tanks. Masts and derricks. Hatchendbeams. 2nd deck to shell.

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

Cruiser stern, part electr. welded, strengthened for navigation in ice, fitted for oil fuel, F.P. above 150°F. Lloyd's A.C.P. W.T. 6' head in forehold omitted. E.S.D. D.F. Gyro (Sperry)

RADAR Equipment (State if fitted) NO

State Type or Pattern No.

State Name of Maker and/or Supplier

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

1st Bower	27:0:2	12 feet	cast	A.E. Galliford	18.4.45.	N: 4854
2nd	27:0:10	12 feet	cast	J.K. Johnson	7.5.47.	N: 8843
3rd	22:3:4	12 feet	cast	A.E. Galliford	31.7.47.	N: 447

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 30.42 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. Signal Letters **O. U. L. Q** Extreme Breadth over Belting (Circ. 1611)

Over-all Length 320.64 (Circ. 1703)

No. and Material of Decks 2 decks steel

Parts of Bottom of Vessel coated with cement or approved composition No 1 + 5 tank cement.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, 14-49 C.D. 49-50	83' 10 1/2"	156 Tons	Fore peak tank, N: 1	20' 10 3/4"	50.5
Double bottom, under Engines and Boilers,			After peak tank, N: 1 = 63.8, N: 2 = 96.4	22' 0 5/8"	160.2
Double bottom, if under Engines only, 50-67	39' 7 3/16"	128.1	Deep tank, aft, Ps = 46.9, SHG = 38.8	27' 11 7/16"	85.7
Double bottom, if under Boilers only,			Deep tank, forward, abaft E.R.	64' 11 7/8"	107.8
Double bottom, forward, 67-122	126' 7 3/4"	339.4	Other tanks, if fitted,		
Total length (if continuous) and Capacity	250.1	623.5	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 191

Date 26 July 1946

Dates of Surveys held while building

1947 Aug. 28, Sept. 5, 10, 11, Oct. 1, 15, 29, Nov. 5, 26, Dec. 4, 1948 Jan. 8, 15, 22, 29, Feb. 5, 12, 19, March 4, Apr. 1, 7, 15, 28, May 13, 26, June 2, 10, 16, July 1, 21, Aug. 25, Sept. 4, 15, 29, Oct. 6, 14, 20, 28, Nov. 4, 19, 24, Dec. 1, 2, 8, 15, 1949 Jan. 5, 7, 8, 13, 20, 26, Feb. 2, 9, 15, March 2, 8, 13, 23, 31, April 6, 13, 20, 21, 24, May 2, 11, 17

Total No. of Visits 66