

1 or 2 Dks., R.Q.Dk.,

IRON OR STEEL STEAMER.

No. 2291

Pt. Awng. Dk.

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

Received at London Office.

Date of completion of Report 21 August 1894- Port of Rotterdam

Date, First Survey 16 March 1894 Last Survey 21 August 1894

On the Steel screw steamer "Kalaban" (No. 6 Supplement) Rig 2 Polemasto

ONE OR TWO DECKED VESSEL.

Master E. Lukkien

CLASS 100 A

Year of appointment (1) As master in service of owner of present vessel 2-18 41 (2) As master of this vessel 18 41

TONNAGE under 404.54
 Do. of Poop 29.89
 Do. of Rai 22.56
 Do. of Bri 19.61
 Do. of Fo 19.61
 Do. of Ho 19.61
 Do. of ex 19.61
 Do. above Cro 19.61
 Engine Room 536.40
 Gross Tonnage 24.1
 Less Crew Space 170.74
 Less above Cro 170.74
 Engine Room 512.40
 ONNAGE FOR 512.40
 Less Engin 170.74
 Less Navigation 2.82

Register Tonnage 338.81

Half Breadth (moulded) 13.5
 Depth from upper part of Keel to top of Main Deck Bms. 11.541
 Girth of Half Midship Frame (as per Rule) 22.75
 1st Number 47.3
 Length on deck from after part of stem to fore part of stern post 185.5
 2nd Number 8444
 Proportions—Breadths to Length 4.1
 Depths to Length—Main Deck to top of Keel 16.04
 Destined Voyage Langkat

Built at Rotterdam
 When built 1894 Launched 10 July
 By whom built Ryker & Co
 Owners Petroleum. Brownen in Keel. India
 Managers B. A. Kessler.
 Residence 's Gravenhagen
 Port belonging to 's Gravenhagen

LENGTH on Deck as per Rule 185 Feet. 6 Inches. BREADTH—Moulded 26 Feet. 6 Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 10 Feet. 5 Inches. No. of Decks with Flat laid One No. of Tiers of Beams One

Dimensions of Ship per Register, Length, 185.5 breadth, 25.9 depth, 10.3 Moulded Depth, 11 ft. 5 ins. Round of Beam, Actual 6 1/2 ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
RAME, Angles, L, E or L Bars, for 1/2 length amidships	3	3	6	3	3	6	KEEL, Bar or Side Plates depth and thickness	6 1/2 x 1 1/8	6 1/2 x 1 1/8	6 1/2 x 1 1/8	6 1/2 x 1 1/8
Do. for 1/2 at each end	3	3	5	3	3	5	STEM, moulding and thickness	6 1/2 x 3 3/4	6 1/2 x 3 3/4	6 1/2 x 3 3/4	6 1/2 x 3 3/4
Do. in way of Double Bottoms at Solid Floors							STERN-POST for Rudder do. do.	6 1/2 x 3 3/4	6 1/2 x 3 3/4	6 1/2 x 3 3/4	6 1/2 x 3 3/4
" " at intermdt. Bkts.							" for Propeller	4 1/2	4 1/2	4 1/2	4 1/2
ance of Frames from moulding edge to moulding edge, all fore and aft	2 1/2	2 1/2	5	2 1/2	2 1/2	5	MAIN PIECE of Rudder, diameter at head	2 3/4	2 3/4	2 3/4	2 3/4
REVERSED FRAME, Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5	do. at heel	2 3/4	2 3/4	2 3/4	2 3/4
DEEP FRAMING, depth of girder							RUDDER, how constructed	Iron frame, double plates			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	13 1/2	6	13 1/2	6			Can the Rudder be unshipped afloat?	Yes.			
in way of Engines and Boilers							KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
thickness at the ends of vessel							CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	10	10	10	10
depth at 1/2 the half breadth, as per Rule	13		6 3/4				" Rider Plate	10	10	10	10
height extended at the Bilges	27		27				" Bulb Plate to Intercoastal Keelson	10	10	10	10
FLOORS & BRACKETS, in Cell Dble Bottoms							" Horizontal Plates on Floors	10	10	10	10
" Distance apart							" Angles	10	10	10	10
CENTRE GIRDER, in Double Bottom, depth and thickness							SIDE KEELSON, Angles	10	10	10	10
" Angles, Top							" Bulb or Plate above floors for length	10	10	10	10
" Bottom							" Intercoastal Plate for full 1/2 length	10	10	10	10
SIDE GIRDERS, number on each side & thickness							" Attached to outside plating with Angle	10	10	10	10
" Angles							BILGE KEELSON, Angles	10	10	10	10
MARGIN PLATE, depth (exclusive of flange) and thickness							" Bulb or Plate above floors for length	10	10	10	10
" Angles to Outside Plating							" Intercoastal Plate for length	10	10	10	10
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							" Attached to outside plating with Angle	10	10	10	10
" thickness in Engine and Boiler space							BILGE STRINGER Angles	10	10	10	10
" Remainder in Holds							" Bulb Plate for length	10	10	10	10
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5	3	6	5	3	6	" Intercoastal Plate for length	10	10	10	10
" Angles on Upper Edge							" Attached to outside plating with Angle	10	10	10	10
" Average space	21		21				SIDE STRINGER Angles	10	10	10	10
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							" Bulb or Intercoastal Plate for length	10	10	10	10
" Angles on Upper Edge							" Attached to outside plating with Angle	10	10	10	10
" Average space							Main and Raised Quarter Deck Stringer Plate, breadth and thickness	27 to 30	9-6	27 to 30	9-6
BEAMS, Hold, Plate or Tee Bulb							" Angle on ditto	4 x 4	6	4 x 4	6
" Angles on Upper Edge							" Tie Plates fore & aft, outside Hatchways				
" Average space							" Diagonal Tie Plates on Bms., No. of Pairs				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							" Main Dk* Iron or Steel for full length				
" Angles on Upper Edge							" R. Q. Dk* Iron or Steel for full length				
" Average space							" Wood Deck, Material & thickness	10	10	10	10
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	6	4	2 1/2	6	Lower Deck Stringer Plate, breadth and thickness				
" Angles on Upper Edge							" Angles on ditto, No.				
" Average space	21		21				" Tie Plates, outside Hatchways				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	2 1/2	6	5	2 1/2	6	" Deck* Material and thickness				
" Angles on Upper Edge							Hold Stringer Plate				
" Average space	42		42				" Angles on ditto, No.				
CELLAR In 'tween Decks, Size and Spacing	2 1/8	42	2 1/8	42			Poop Deck Stringer Plate, breadth & thickness				
" Hold	2 1/2	42	2 1/2	42			" Angle on ditto				
" Quarter, 'tween Dks.,							" Tie Plates				
" in Hold							" Deck, Material and thickness				
WEB FRAMES, In Fore Body, No. and Spacing	7 in 4 ft.		7 in 4 ft.				Forecastle Deck Stringer Plate, breadth & thickness				
" No. of Side Stringers	12		12				" Angle on ditto				
WEB FRAMES, In E. & B. Space, No. & Spacing	2		2				" Tie Plates				
" Brdth. & Thickness	12		12				" Deck, Material and thickness				
WEB FRAMES, In After Body, No. and Spacing							Bridge Deck Stringer Plate, breadth & thickness				
" No. of Side Stringers							" Angle on ditto				
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	2 1/2	2 1/2	5	2 1/2	2 1/2	5	" Tie Plates				

Form No. 1A.



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Lloyd's Register Foundation

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.	Diam.	Spacing cr. to cr.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.						Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL	32	12	9	12	32	12	double	5 1/4	7/8	3	full	7/8	2 7/8			9	full		
GARBOARD OR A STRAKE	57	9	8	9	57	9	do	5 1/4	7/8	3	"	3/4	2 1/4			7 1/2	"		
State actual thickness in way of Double Bottom.	B	51	8	7	7	51	8	do	4 1/2	3/4	2 7/8	"	"			"	"		
C	55	7	6	6	55	7	do	"	"	"	"	"			"	"			
D	50	8	7	7	50	8	do	"	"	"	"	"			"	"			
E	57	7	6	6	57	7	do	"	"	"	"	"			"	"			
Sheer F	33	10	8	8	33	10	do	"	"	"	"	"			"	"			
G	35	8	5	5	35	8	single	2 1/2	3/4	3	"	3/4	2 5/8	9 3/4	9				
Sheer H	48	8	5	5	48	8	single	2 1/2	3/4	3	"	3/4	2 5/8	9 3/4	10				
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING OF FLAT PLATE KEEL	Length of Bilges <i>Shade deck, double with 7/8" x 22" plate 1/4" thick at openings 126 ft.</i> of Sheerstrakes of Strake below POOP SIDES RAISED QUARTER DECK SIDES BRIDGE SIDES FORECASTLE SIDES <i>See 5/20</i> LENGTHS OF PLATING <i>Average nine frame spaces.</i>																		
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. ? <i>Consett Iron works & Steel Company of Scotland</i>										Main Stringer Plate { Butts, treble riveted for <i>over half</i> length amidship. Straps, single, double or overlapped for <i>full</i> length amidship. Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? <i>treble</i> Inner Bottom Plating, riveting of Edges ✓ Butts ✓ Centre Girder Butts, ✓ riveted. Keelson Butts, <i>treble</i> riveted. Frames, riveted through Plates with <i>3/4</i> in. Rivets, about <i>4 3/4</i> apart. Rivets, state whether of Iron or Steel <i>Steel</i> ✓									
Has the Steel been tested as required by the Rules <i>Yes.</i>																			
FRAMES extend in one length from <i>Center line</i> to <i>Main deck & forecastle stringer; shade deck frames braced to main deck alternately.</i>																			
REVERSED FRAMES on floors and frames extend from <i>center line to upper part of bilge and main deck alternately.</i>																			
MASTS, SPARS, &c.																			
LOWER MASTS....		Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.		ANGL'S.		RIVETING.							
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.							
Fore		<i>Wood</i>	<i>70' abn</i>	<i>14"</i>	<i>12"</i>	<i>11"</i>													
Main		<i>do</i>	<i>71' main</i>	<i>14"</i>	<i>12"</i>	<i>11"</i>													
Mizen			<i>deck</i>																
Bowsprit		<i>None</i>																	
Topmasts, Yards and Remainder of Spars		<i>None</i>																	
Rigging, Material and Size, Shrouds		<i>Steel wire 2 1/2"</i>																	
Sails. <i>Good, one</i>		Suit of <i>2 staysail, 2 gunters</i> Sails and the following spare sails <i>none.</i>																	
EQUIPMENT No. <i>9765</i> LETTER <i>rule h.</i> TONNAGE FOR TRAWLERS U.Dk. <i>Actual supplies i.</i> ANCHORS.																			
Number of Certificate.	Anchor.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 22 (L)			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
39539	1st Bower ..	15	0	17				16	14	1	14	12	2	0	<i>Hall's patent</i>	<i>H. Kingley & Co.</i>	<i>Hetherington</i>		
39540	2nd ..	15	0	5				16	12	0	21	12	2	0	<i>do</i>	<i>do</i>	<i>5 July 1897</i>		
39538	3rd ..	12	3	2				14	12	3	7	10	2	0	<i>do</i>	<i>do</i>	<i>J. H. Green.</i>		
	Collective weight	42	3	24				35	2	0									
39542	Stream	4	0	0	1	0	14	6	10	0	0	3	3	0	<i>Ordinary</i>	<i>do</i>	<i>do</i>		
39541	Kedge	2	0	0	2	17	4	10	0	0		1	3	0	<i>do</i>	<i>do</i>	<i>do</i>		
CHAIN CABLES.																			
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Table 22.					
			Tons.	Supplied.	Per Table 22.														
28398	105	1 1/16	58.5	77.0	2	1261.8	105 1/16	<i>H. Kingley & Co.</i>	<i>6 July 1897</i>	<i>TOWLINE</i>	90	3"	18 tons	75 - 80					
28399	90	1 1/16	25.7	2.0	66.2	1	<i>Steel</i>	<i>8 tons</i>	<i>Hetherington</i>	<i>HAWSER</i>	90	6 1/2"		90 - 6 1/2"					
	195	1 1/16				145.2	5 1/4	10.16	195 - 1 1/16	<i>WARP</i>	90	2 1/2"	<i>wire</i>						
Iron Stream Chain or Steel Wire.	60	1 1/8	15.16	0.0	22.1	21	22.0	11	60 - 1 1/8	<i>do</i>	2x	90	2	<i>wire</i>					
	22707		7.18	0.0	22.1	21	22.0	11	60 - 1 1/8	<i>do</i>	2x	90	5	<i>hanks</i>	5 1/2				
Boats <i>2</i> Steam launch <i>22' x 6'-6" x 2'-6"</i> . Copper aircases. B o T outfit. Pinnace <i>15' x 4'-9" x 2'</i> . Pumps, Number <i>1 in forecastle 1 in forehold</i> Diameter of Barrel <i>4"</i> State whether they are in efficient working order <i>Yes.</i> Windlass is <i>Emerson Walker's patent</i> Capstan ✓ Engine Room Skylights.—How constructed? <i>Steel trunk casing</i> What arrangements for deadlights in bad weather? <i>Steel lids & dead eyes.</i> Coal Bunker Openings.—How constructed? <i>Flush deck</i> How are lids secured? <i>screw down</i> Height above deck? <i>Under shaded</i> Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>Small one, and two ports 2.66' x 1.33' = 4 sq. ft. area.</i> Ceiling in Holds, thickness and material <i>2" teak.</i> Ceiling 'tween Decks, thickness and material <i>batten, teak, 2"</i> Cargo Hatchways.—How formed? <i>Steel coamings</i> Hatches.—If strong and efficient? <i>Yes</i> State size No. 1 Hatch (Forward) <i>7' x 8'</i> No. 2 Hatch <i>expansion trunk</i> No. 3 Hatch <i>expansion trunk</i> No. 4 Hatch <i>expansion trunk</i> Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>fore & after fore hatch</i> No. of Breasthooks <i>two</i> No. of Crutches <i>one</i> Bulwarks, height above deck and description <i>3'-6" Steel</i> Main Rail, material and size <i>5" x 2 1/2"</i> The above is a correct description. Builder's Signature (here only.) <i>P. J. H. Green</i> Surveyor's Signature <i>M. F. D. Van Ollefen</i> Surveyor to Lloyd's Register of British and Foreign Shipping																			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *from London*
M. 25/2; 24/2; 12/3; 18/3; 29/3; E 29/3 - 1897

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*

Is the riveted work properly closed? *yes*

Are the liners between the frames and plates solid single pieces? *yes*

to plate, &c, conform well to each other? *yes*

from the faying surfaces? *yes*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of the plating? *none in oil space*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? *yes*

State results of tests *satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes*

State results of tests *satisfactory*

General Remarks (State quality of workmanship, &c.) *The main deck plating has treble rivets buttlers over fully 1/2 length amidships.*

The oil tanks and cofferdams including main deck in way of same have been tested by a head of water to fifteen feet above the crown of tank and proved tight & sound. Forepeak tank tested by a head of water to 8 feet above crown of tank and proved tight & sound. Decks and waterways floored and are tight. Stowage coek, and hand pump tried and in good working order.

The vessel is fitted with Electric light; Sentinel steam steering gear.

The vessel has been built in accordance with the approved plans and the instructions contained in the above letter.

The materials used and workmanship are satisfactory.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *150* ft., R.Q.D. or Break _____ ft., Bridge Dk. _____ ft., F'castle *20* ft.
(in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *One deck, Steel, (not covered) one tier of beams & part shade deck.*

Official No. _____; Signal Letters *not yet assigned*

How are the surfaces preserved from oxidation? Inside *Cement and paint.*

Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	<i>16</i>	<i>40</i>
Double bottom, under Engines and Boilers,	✓		After peak tank,	✓	
Double bottom, if under Engines only,	✓		Midship deep tank,	✓	
Double bottom, if under Boilers only,	✓		Other tanks, if fitted,	✓	
Double bottom, forward,	✓		(If necessary, furnish further information by sketch.)	✓	

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules *yes*

Order for Special Survey No. _____

Date _____

No. *84* in builder's yard

DATES of Surveys held while building

16, 17 & 25 March; 3, 6, 20, 21, 23, 26, 29 April; 1, 3, 15, 28 May; 12, 17, 22, 23, 25 & 30 June; 3, 8, 9 & 17 July; 3, 4, 10, 12, 13, 18 & 19, 21 August 1897.

Total No. of Visits *32*

The amount of Entry Fee£ *3* :

Special.....£ *25* : *10* :

Certificate* £ _____ :

Travelling Expenses, if any £ *2* :

Fees applied for,

18

Received by me,

18

* Certificate to be sent to

H. F. D. van Ollefen Rotterdam.

For Coasting purposes in the Indian Archipelago—Carrying Petroleum in bulk—Burning liquid fuel experimental—Electric light—Mach. aft.—

H. F. D. van Ollefen

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned *2 A 0 C*

+ 2 M C B, 9th

Burning liquid fuel—Exptl.

Elec. light

TUES 31 AUG 1897

100 A 1 Steel

pk. shade dk. for coasting purposes in the Indian Archipelago—Carrying Petroleum in bulk.

1 Bk (Sh) + pk. shade dk. (pk. Sh)