

STEEL STEAMER or MOTORSHIP.

WRECK
SECTION
Received at London Office 13 NOV 1929State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

NO. 1035

Date of completion of report November 8th 1929Port of *Seasong*

No. 49634

Survey held at *Bamburgh Steamer*

Date First Survey 24 - 1 - 29

Last Survey 7 - 11 -

19 29

On the (State Machinery fitted Aft and if Single, Twin or Triple Screw)

Single Screw Steamer "KANA"

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

Complete Superstructure with Tonnage Openings

State Type of Erections

*Shells on top*TONNAGE under Tonnage Deck... *2244.76*CLASS *100A1. Shellin* (State if with freeboard as condition of Class) *Yes*Built at *Bamburgh*

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) *1529-2 Ribs* L *332*Launched *22nd Aug 1929* Yard No. *865*

Total

*2244.76*Breadth (greatest moulded) B *47*Builders *A. McMillan & Son Ltd.*

Gross Tonnage

*2743.01*Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D *22.25*Owners *Moss Steamship Co. Ltd.*

Register Tonnage

*1381.47*TRANSVERSE 1st Longitudinal Number (B & D) = *69.28*

Managers

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

REGISTERED DIMENSIONS.

FEET.

Length

*333.1*Framing Depth "d" at middle of length. See Sec. 3 (1d) *19.0*

Residence

Breadth

*47.2*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.97*Port of Registry *Liverpool*

Depth

19.55

Draught Moulded

*20.7*If surveyed while building, afloat, or in dry dock *Yes*

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	<i>24"</i>		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>24"</i>		" " Reversed Frame		
" " in peaks	<i>24"</i>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>39</i>	<i>48</i>
Frame Amidships, Angle, [or]	<i>9 32 44</i>		" " top Angles	<i>5 32 54</i>	
" " Extends up to	<i>Upper 2nd St. Alt.</i>		" " bottom Angles	<i>5 32 54</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>(2) 34</i>	
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>32 3/4</i>	<i>42 290.42</i>
Depth of Framing Girder	<i>9</i>		" " Vertical Angle to Tank side	<i>5 5 44</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>9 32 44</i>		" " Bracket abaft $\frac{1}{4}$ len. from stem	<i>5 5 44</i>	
" " Second 'tween Decks, Angle, [or]	<i>✓</i>		" " Vertical Angle to Tank side	<i>5 5 44</i>	
" " Third " " "	<i>✓</i>		" " Bracket forward $\frac{1}{4}$ len. from stem	<i>5 5 44</i>	
Framing in Peaks, Angle or [<i>7 3 36</i>		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>Every fourth frame</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/8 C 64</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>Every fourth frame</i>	
State if Frame Joggled	<i>Yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>60"</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Web frame etc. No Air App. Plan</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Double frame etc. Shell increased to 3/16"</i>		Breadth and thickness of Middle Line Strake	<i>72 42</i>	
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>36</i>	
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		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?	<i>Yes</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<i>9 3 38</i>	
" " Through Plate or Intercostal Plate	<i>✓</i>		" " in way of Bridge, Angle, [or]	<i>✓</i>	
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>24"</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Second Deck, amidships, Angle, [or]	<i>9 3 44</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>24"</i>	
" " thickness of Intercostal Plate	<i>✓</i>		Third Deck, amidships, Angle, [or]		
" " Angles	<i>✓</i>		Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or]		
Solid Floors, thickness and spacing	<i>36 C 24"</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing		
" " breadth and thickness at margin plate	<i>✓</i>		Bridge Deck, Angle, [or]		
			Spacing		
			Forecastle Deck, Angle, [or]	<i>8 3 35</i>	
			Spacing	<i>24"</i>	

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows <i>one Centre line 31 ft in 11 ft 6 in</i>					
" in 'tween Decks, Size and Spacing <i>one row 27 48</i>					
" " " " "					
" in Holds " "					
" " " " "					
Centre Line Bulkhead.					
Stiffeners and Spacing <i>4.8 spacing 5</i>		10	3 1/2	42	
Plating, thickness of <i>30</i>			30		
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		60	48		
" " " " in way of Bridge					
" Angle in Wells		4 1/2	4 1/2	54	
Thickness of Plating abreast Deck openings in way of Wells		36	38		
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings...		30			
If Sheathed, material and thickness					
Second Deck.					
Stringer Plate, breadth and thickness in Wells		60	40		
Stringer Plate, breadth and thickness in way of Bridge					
Thickness of Plating abreast Deck openings in way of Wells					
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings...					
If Sheathed, material and thickness					
Third Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness					
Bridge Deck.					
Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness					
Forecastle Deck.					
Stringer Plate, breadth and thickness		31	32		
Plating, Sheathing, material and thickness			30		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	45	.88	.66	.66		double	1	4	4	1	4	Lapped
" DBLG. (if any)	✓											
BOTTOM PLATING, No. of of Strakes 454	.44	.44		double	2	3 3/7	3	2 7/8	3 1/8	Lapped
BILGE PLATING, No. of Strakes (1)54	.44	.44		"	2	3 3/7	3	2 7/8	3 1/8	Lapped
SIDE PLATING, No. of Strakes 356	.42	.42		"	2	3 3/7	3	2 7/8	3 1/8	"
UPPER DECK, Sheer- strake in Wells	68	.60	.42	.42		"	2	3 3/7	3	2 7/8	3 1/8	"
UPPER DECK, Sheer- strake in Bridge ...												
STRAKE BELOW Sheer- strake in Wells	68	.56	.42	.42		double	2	3 3/7	3	2 7/8	3 1/8	Lapped
STRAKE BELOW Sheer- strake in Bridge ...												
POOP SIDE PLATING ...	✓											
BRIDGE SIDE PLATING ...	✓											
FOREC'TLE SIDE PLATING	47	.38				Single	3	3	5	3	2 5/8	Lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	1
„ Deck next below	5
As per Rule	5

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat, keel		
STEM		9 $\frac{1}{2}$ x 2 $\frac{1}{2}$		
STERN FRAME {	Propeller Post	Forged 9 $\frac{1}{2}$ x 6 $\frac{1}{2}$	Benjamin Forge	
	Rudder "	8 $\frac{1}{2}$ x 6 $\frac{1}{2}$	"	
RUDDER—A x D.....	32 $\frac{1}{2}$ x 5 $\frac{1}{2}$			
Speed of Vessel	10 $\frac{3}{4}$ K			
RUDDER mainpiece at head ...		8 $\frac{1}{2}$	Benjamin Forge	
" " heel ...		6 $\frac{1}{2}$		
" how constructed		Forging Arms obtuse on skewed		
" double or single plate		Single flat . 99		
" coupling, vertical or horizontal		Horizontal		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*
D. Colwell & Co. Jas Dunlop & Co., Steel Co of Scotland, Lanarkshire Steel Co., River Plate Steel Co., Corbett & Co.
Skinner & Co. Ltd.
Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 25594												LETTER <i>V</i>	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.						
90871	1st Bower ...	46	1	14	Stockless			40	2	0	21	46 - 1. 9 ¹ / ₄	Britannia	R Sykes & Co. Ltd.	Dethulon 26.6.29 Green		
90872	2nd „ ...	46	0	21	„			40	0	2	14	46 - 1. 9 ³ / ₄	do	do	do	do	do
90873	3rd „ ...	46	0	21	„			40	0	2	14	46 - 1. 9 ³ / ₄	do	do	do	do	do
	Collective weight.	138	3	0								139.0.0					
90874	Stream	13	0	12	3	1	12	14	17	0	21	13.0.0	Ordinary	R Sykes & Co. Ltd.	Dethulon 26.6.29 Green		

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.	Breaking.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.		Tons.	Fathoms.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
33249	270	2	72	100 ⁸ / ₁₀	548.0.0		538.3.0		270	2	Slid R. Sykes & Co.	Carlisle 5.6.29 Jones	TOWLINE...	120	4	43	120	4
													HAWSERS & WARPS }	(4) 90	2 ¹ / ₂	12 ¹ / ₂	(4) 90	2 ¹ / ₂
													"	(4) 90	8"	manila		
Iron Stream Chain or Steel Wire }	90	4 ¹ / ₂	59	59	59				90	4 ¹ / ₂	S.W.	Woods & P.						

Steering Gear, Steam *Steam by John Harli & Co* Steering Gear, Hand *Relieving handle*

Boats *20m* Steering Chains, Size and Test *✓* Windlass *Steam by Clark Chapman*

Ceiling in Holds, thickness and material *2 1/2 to 3 w. under hatch & over bulkheads* Cargo Battens, thickness, material and spacing *2" 4 w. (spec. in plan)*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *2 1/2 on upper deck 3 on shell deck*

Size of No. 1 Hatchway (Forward) *22' x 18'* No. 2 *24' x 18'* No. 3 *8' x 18'* No. 4 *28' x 18'* No. 5 *24' x 18'* No. 6

Number of Shifting Beams and/or Fore and Afters *nos. 1, 2, 5 4 web each nos. 3, 4 web. no. 4, 5 web*

ARCHD. McMILLAN & SON, LTD.
Builder's Signature *Garrick* DIRECTOR.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *no* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *oil in deep tanks* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The workmanship and material are good

The vessel has been built in accordance with the approved plans, the Secretary's letters and in accordance with the Rules for the class contemplated

The double bottom tanks, the fore & aft peak tanks, the deep midship tank, the bulkheads, the tunnel and the decks have been tested as required by the Rules

Freeboard cut in on deck sides and deckhead

All the requirements of the Rules for the carriage of cotton seed oil in the deep tanks have been complied with, but the Builder states that a record in the Register Book is not desired

aka from "KAVAK"

The amount of Entry Fee £ 6 : 0 : 0 Fees applied for, *3 - NOV 1929*

Special Survey Fee.... £ 212 : 3 : 0 Received by me, *14.11.29*

Travelling Expenses, if any *6 13 4*

I am of opinion the Vessel should be Classed *100 A1. Shell deck with Freeboard*

State whether the Vessel has been built under Special Survey *yes* Signature *Mr. H. H. H.*

Certificate to be sent to *Glasgow.* Date of issue *15/11/29.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 12 NOV 1929*

Character assigned *100 A1.*

Shelter DK. with fwd

11.29

Lloyd's A.C.P.

+ L.M.C. 11.29

70.

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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.)

Sister vessel S/S KAVAK

Midship section as built forwarded in advance

✓ Appo. midship section

✓ Profile

✓ H.T. bulkhead

✓ Russian steamport

✓ Hatchways

✓ Internal plan

✓ Eot casing & deck house

✓ No 2 & 4 hatchways

✓ Deep tank

✓ Steering gear quadrant

✓ Upper dist. at boiler room & bunkers 2 plan

✓ Pumping plan

2 Hoisting Reports

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

1st Bower 27.3.22 KH 6411 44.5.29
2nd „ 28.2.0 KH 6477, 20.5.29
3rd „ 27.3.22 KH 6478, 20.5.29

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 29.3 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) One or Steel & Shell or Steel

Official No. 161120 : Signal Letters L.F.B.T
Is bottom of Vessel coated with cement It is cement if not give particulars of composition And bitumastic

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	96	193	Fore peak tank,		89
Double bottom, under Engines and Boilers, SW 40, FW 20	76	249	After peak tank,		17
Double bottom, if under Engines only,			Deep tank, aft, 2 Engines	26	488
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	108	267	Other tanks, if fitted,		
Total length of all 260'		709	(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. 5966

Date 31.12.29

Dates of Surveys held while building

1929 Jan 24 Feb. 20.26 Mar 5.12.15.20.25 Apr 3.11.17.19.25.30 May 6.8.10.15.17.27.29 June 5.11
18.19.24.28 July 3.5.9.29.31 Aug 7.9.13.20.22.28 Sep 4.13.19.26 Oct 3.10.28 Nov 7

Total No. of Visits

46