

With or Without Disconnected Erections.

STEEL STEAMER.

FRID. OCT. 19 1923

Received at London Office

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

Date of completion of report 14th October 1923

Survey held at

Port of

Date, First Survey 12th Dec. 1922

Last Survey 11th October 1923

No. 670

19 23

On the (State if Single, Twin, or Triple Screw)

Single Screw Steamer "ZEMERA"

Rig Schooner

CLASS 100 A1

FEET VARIANCE Master

Year of appointment

(1) As Master in service of owner of present vessel: 19
(2) As Master of this vessel: 19

Built at

Grestenmunde

When built

1923

Launched 14th August 1923

By whom built

G. Sebade & Co.

Owners

F. E. Strick & Co. Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence

London

Port belonging to

Liverpool

Destined Voyage United Kingdom

If Surveyed while Building, Afloat, & in Dry Dock

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	371	33/4		50	10 1/4		27	2 1/4		

Dimensions of Ship per Register, Length 370 1/2 breadth 50 1/2 depth 27 1/2

FRAMING.				PILLARS.			
FRAME, Angle, & L Bars amidships	Inches.	per Rule.	Or as Approved.	PILLARS In 'tween Deck, size and spacing	Inches.	per Rule.	Or as Approved.
o. in peaks	190 75 11	190 75 11	11	" " Hold	Wide spaced hollow pillars and centre line bulkhead at approved		
o. in way of Double Bottoms at Solid Floors	90 90 10	90 90 10	10	" " Quarter 'tween Dks.,			
o. in way of Double Bottoms at Solid Floors	200 85 11	200 85 11	11	" " in Hold			
ing of Frames from centre to centre amidships	660	660					
" " " from 1/2 length to Collision bulkhead	580	580					
" " " in peaks	600	600					
VERSED FRAME, Angles	120 90 13	120 90 13	13				
o. in way of Double Bottoms at Solid Floors	90 75 10	90 75 10	10				
o. in way of Double Bottoms at Solid Floors	190 75 10	190 75 10	10				
AMING, depth of girder	240	240					
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	1060 10	1060 10	10				
" in way of Engine and Boiler Spaces	9	9					
thickness at the ends of vessel	9	9					
depth at 1/2 the half breadth, as per Rule	2540	2540					
height extended at the Bilges	2540	2540					
DOORS in Cell. Double Bottoms	1060 10	1060 10	10				
" " flanged (top & bottom)	90 75 10	90 75 10	10				
Spacing of Solid floors	90 90 10	90 90 10	10				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	1060 12 1/2	1060 12 1/2	12 1/2				
" " Angles, Top	90 90 12	90 90 12	12				
" " Bottom	120 120 13	120 120 13	13				
" " to Floors	110 110 10	110 110 10	10				
Brackets at intermdt. frmg., wdth & thknss	700 10	700 10	10				
DE GIRDERS, number on each side & thickness	700 10	700 10	10				
" " state if flanged (top and bottom)	700 10	700 10	10				
" " Angles (top and bottom)	75 75 9	75 75 9	9				
" " to Floors	75 75 9	75 75 9	9				
MARGIN PLATE, depth (exclusive of flange) and thickness	90 90 12	90 90 12	12				
" " Angle to Outside Plating	90 90 12	90 90 12	12				
" " Floors	75 75 9 1/2	75 75 9 1/2	9 1/2				
Brackets at intermdt. frmg., wdth & thknss	2540	2540					
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	1000 10 1/2	1000 10 1/2	10 1/2				
" " in Engine and Boiler space	5 12	5 12	12				
" " Remainder in Holds	10 1/2	10 1/2	10 1/2				
BEAMS, Upper Deck, Angle, Bulb	160 70 10	160 70 10	10				
" " Angle, Plate, Tee Bulb, or Channel	130 65 8	130 65 8	8				
" " In way of Long Bridge	130 65 8	130 65 8	8				
Spacing	190 6 1/2	190 6 1/2	6 1/2				
BEAMS, Second Deck, Angle, Bulb	160 70 10	160 70 10	10				
" " Angle, Plate, Tee Bulb, or Channel	160 20 10	160 20 10	10				
Spacing	190 6 1/2	190 6 1/2	6 1/2				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	160 70 10	160 70 10	10				
" " Angles on upper edge	160 70 10	160 70 10	10				
Spacing	190 6 1/2	190 6 1/2	6 1/2				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	160 70 10	160 70 10	10				
" " Angles on upper edge	160 70 10	160 70 10	10				
Spacing	190 6 1/2	190 6 1/2	6 1/2				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	160 70 10	160 70 10	10				
" " Angles on upper edge	160 70 10	160 70 10	10				
Spacing	190 6 1/2	190 6 1/2	6 1/2				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	160 70 10	160 70 10	10				
" " Angles on upper edge	160 70 10	160 70 10	10				
Spacing	190 6 1/2	190 6 1/2	6 1/2				

KEELSONS & STRINGERS.			
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches.	per Rule.	Or as Approved.
" Rider Plate			
" Flat Plate Keel Angles			
" Horizontal Plates on Floors			
" Angles or Bulb Angles			
SIDE KEELSONS, Number			
" Angles or Bulb Angles			
" Plate above floors, for length			
" Intercoastal Plate, for length			
" Attached to outside Plating with Angle			
BILGE KEELSON, Angles			
" Intercoastal Plate for length			
" Attached to outside Plating with Angle			
SIDE STRINGERS, Number			
" Angle	170 90 12	170 90 12	12
" Intercoastal Plate, for full length	11	11	11
" Attached to outside plating with Angle	90 90 10	90 90 10	10
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	2080 16	2080 16	16
" " " " br'dth & thickness (in way of Bridge)	110 110 15	110 110 15	15
" " " " Angle (clear of Bridge)	110 110 15	110 110 15	15
" " Tie Plate at sides of Hatchways	10	10	10
" " Deck, Steel, for full lng.	10	10	10
" " Thickness (clear of Bridge)	10	10	10
" " (in way of Bridge)	10	10	10
Wood Deck, Material & thickness	not sheathed	not sheathed	not sheathed
Second Deck Stringer Plate, br'dth & thickness	1900 14	1900 14	14
" Angles on ditto, No.	160 80 13	160 80 13	13
" Tie Plates outside Hatchways	8	8	8
" Deck, Steel, for full lng.	8	8	8
Wood Deck, Material & thickness	not sheathed	not sheathed	not sheathed
Third Deck Stringer Plate, br'dth & thickness	75 75 9	75 75 9	9
" Angles on ditto, No.	90 90 9	90 90 9	9
" Tie Plates, outside Hatchways	7 1/2	7 1/2	7 1/2
" Deck, Material and thickness	7 1/2	7 1/2	7 1/2
Fourth and Fifth Deck Stringer Plate, breadth & thickness	7 1/2	7 1/2	7 1/2
" Angles on ditto, No.	7 1/2	7 1/2	7 1/2
" Tie Plates outside Hatchways	7 1/2	7 1/2	7 1/2
" Deck, Material & thickness	7 1/2	7 1/2	7 1/2
Poop Deck Stringer Plate, breadth & thickness	860 9	860 9	9
" Angle on ditto	80 80 9	80 80 9	9
" Tie Plates	6 1/2	6 1/2	6 1/2
" Deck, Material and thickness	6 1/2	6 1/2	6 1/2
Bridge Deck Stringer Plate, br'dth & thickness	860 9	860 9	9
" Angle on ditto	80 80 9	80 80 9	9
" Tie Plates	6 1/2	6 1/2	6 1/2
" Deck, Material and thickness	6 1/2	6 1/2	6 1/2
Forecastle Deck Stringer Plate, br'dth & th'kns	860 9	860 9	9
" Angle on ditto	80 80 9	80 80 9	9
" Tie Plates	6 1/2	6 1/2	6 1/2
" Deck, Material and thickness	6 1/2	6 1/2	6 1/2

WEB FRAMES. PANTING WEB-FRAMES, In Fore Body, No. and spacing 2 on 4th flamer 760 11 760 11 No. of Side Stringers 3 7 330 11 330 11 WEB-FRAMES, In E. & B. Space, No. & spacing 7 on 4th & 5th flamer 600 12 600 12 WEB-FRAMES, In After Body, No. and spacing 600 12 150 150 330 11 330 11 No. of Side Stringers 1 1 1 1 Size of Face Angles to Web-Frames BRACKET PLATES to Stringers between Web Frames, depth and thickness

BULKHEADS. Number. Thickness. STIFFENERS. Single or Double Frames. Height up, state deck. W.T. BULKHEADS 7 7 12-6 5180x75x9 1/2 665 single Transverse 7.5-7 5200x75x11 570 single Transverse 10.2-6 5170x75x10 620 7 5200x75x10 2nd flamer COLLISION PARTITION LONGITUDINAL 225x40x14 130x130x14 Are the outside Plates doubled two spaces of Frames in length? Are the Sluice Valves and Watertight Doors in efficient working order?

FORGINGS or CASTINGS. KEEL, Bar, depth and thickness Flat plate Keel 240x75 240x75 STEM, moulding and thickness 255x190 255x190 STERN-POST for Rudder do. do. 255x190 255x190 for Propeller 255x190 255x190 RUDDER-AxD* Table 22. Speed 10 knots 530 530 Main-Piece, diameter at head 250 250 at heel 200 200 RUDDER, how constructed Single plate, bolted coupling, stayed arm Thickness of Plates or Single Plate 24 m/m Can the Rudder be unshipped afloat? 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, Plating, &c. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Ordinary or jogged? RIVETING. BUTTS. IF LAPPED. FLAT PLATE KEEL (1) Bar Keel, state Riveting. GARBOARD OR A Strake B C D E F G H SHEER HARBOUR DECK SIDES L M N O P Q R S T U V W THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DO. OF PLATE KEEL Sheerstrakes Length and thickness. POOP SIDES SHORT BRIDGE SIDES FORECASTLE SIDES

Upper Deck Stringer Plate Butts, double riveted for full length amidship. Straps, single, double or overlapped for full length amidship. HARBOUR DECK Stringer Plate Butts, double riveted for half length amidship. Straps, single or overlapped for full length amidship. Butts of Side Stringers riveted. Tie Plates riveted. Inner Bottom Plating, riveting of Edges single Butts double Centre Girder Butts, double riveted. Keelson Butts, riveted. Frames, riveted through Plates with 22 in. Rivets, about 154 apart. Rivets, state whether Iron or Steel steel mild quality

FRAMES extend in one length from double bottom, keel, harbour & forecastle decks State if ordinary or jogged ordinary REVERSED FRAMES on floors and frames extend from Tank side to harbour deck in E & B space State if ordinary or jogged ordinary

MASTS, SPARS, &c. LOWER MASTS Fore Main Mizzen Bowsprit Topmasts, Yards and Remainder of Spars Rigging, Material and Size, Shrouds Sails. Suit of Sails, and the following spare sails

EQUIPMENT No. 31710				LETTER de				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS						
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.	
5498	1st Bower ...	3027	1109	Stock	48800	1109							} Aguirre on Stock	} If Patent state Name of Patentee	Oslo Gunnar	Magdhuug	28.10.19 G.L.	
5497	2nd " ...	3018	"	"	48700	"									"	"	28.10.19 G.L.	
6788	3rd " ...	2542	"	"	43400	"									Magdhuug	"	17.4.20 G.L.	
	4th " ...																	
	Collective weight.	8587	1									8128	1109					
246	Stream	770	1	206	1109	18000	"					762	1109	Ordinary	NOT known	Firmicham	27.11.20 G.L.	
	Kedge.....													SHANKS	HEADS	MARKS ON HEADS		

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2244	1924	kg	shank	928	kg	drop	Int	40.4	kg	32%	40.7	kg	30%	G.L.	26.7.19	2602
	2nd "	"	1925	"	"	916	"	3.5	metre	41.3	"	28%	41.8	"	31%	G.L.	26.7.19	2600
	3rd "	"	1560	"	"	761	"	3	metre	43.1	"	31%	41.8	"	30%	G.L.	3.4.20	3175
	4th "																	

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.				Length and size per Table 31.		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 31.		City.
	Length.	Diam.		Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	City.		Length.	City.	
58081	135	2 1/8	11/4	11334	305.2	6304.17	135	2 1/8	11/4	Steel	M. Bloomer	Tipton 10.9.23	TOWLINE	220	114	59950	220	114	
58082	135	2 1/8	11/4	11334	305.05	304.17	135	2 1/8	11/4	Link	Tom, Ld.	H. Gheron	HAWSERS & WARPS	140	95	41660	330	64	
														330	83	3190	330	64	
														42	165	1781			

Boats	2 life boats 23.9 x 7.5 x 3.08 ft ✓	Steering Gear, Steam	200 x 200 m/m	Steering Gear, Hand	112 m/m spindle
Pumps, Number	2 stone pumps	Diameter of Barrel	4 1/2 "	State whether they are in efficient working order <i>yes</i>	
Windlass is	Steam 200 x 350 m/m	Capstan	—		
Engine Room Skylights.—How constructed?	<i>Steel</i>	What arrangements for deadlights in bad weather? <i>Steel cover</i>			
Coal Bunker Openings.—How constructed?	<i>Steel</i>	How are lids secured? <i>bolted down</i>		Height above deck? <i>800 m/m</i>	
Number of Scuppers, and numbers and dimensions of Erection Ports, &c. <i>82 on each side</i>					
Ceiling in Holds, thickness and material	<i>pine 2 1/2 "</i>	Cargo Battens, thickness and material <i>pine 3 x 3 "</i>			
Cargo Hatchways.—How formed?	<i>Steel sloped corner</i>				
Hatches, If strong and efficient? <i>yes</i>					
State size No. 1 Hatch (Forward)	<i>4054 x 8000 m/m</i>	No. 2 Hatch	<i>9900 x 8000 m/m</i>	No. 3 Hatch	<i>9680 x 8000 m/m</i>
		No. 4 Hatch	<i>9680 x 8000 m/m</i>		
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>1 in No 1 hatch, 4 in Nos 2, 3, 4 & 5 hatch</i>					
		No. of Breasthooks	<i>3</i>	No. of Crutches <i>Steel deck</i>	
Bulwarks, height above deck and description	<i>open rail</i>	Main Rail, material and size			
The foregoing is a correct description.					
Builder's Signature (here only)		Surveyor's Signature			
<i>[Signature]</i>		<i>E. H. C. Palmer.</i>			
		Surveyor to Lloyd's Register of Shipping.			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) H. 22.11.22.
M. 1922: 4th, 11th, 19th, 21st Dec. 1923: 1st, 4th Jan. 2nd, 14th, 30th May, 24th Aug. P.M.C. 5.10.23.

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? No
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. 26, par. 20)? Yes
State results of tests good
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes
State results of tests good
General Remarks (State quality of workmanship, &c.) This steel vessel has been built in accordance with the approved amended plan, The Secretary's letter and in all other respects in conformity with the Rule requirements.
The material and workmanship are good all parts conforming with each other and carefully riveted together.
The double bottom tanks, deep tank, fore & after peak tank, transverse top tanks have been filled and tested as required by the Rules, also the 3 aftermost longitudinal tanks at the sides of the tankways—intended for water ballast and the fore peak above the waterline. Bulkhead in holds & weather deck tested with a hose and found tight.
The vessel has been fitted with Wireless Telegraphy, System Marconi.
The approved plan, 7 in number, are forwarded herewith, Letter No. 1: "MORA" Formin Report 4.600.

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee	£ 9 : 0 : 0	Fees applied for,	15.10.23
Special Survey Fee	£ 327 : 0 : 0	Received by me,	10/11/23
Travelling Expenses, if any	£ 2 : 0 : 0		
State whether the Vessel has been built under Special Survey	10.0.0		
I am of opinion this Vessel should be Classed			
With, or without Freeboard, as condition of Class			

Committee's Minute FRI. 2 NOV. 1923
Character assigned 10001
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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *107.9* ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle *29.2* ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *poop only*

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) and 2nd deck (steel) in No. 1 hold, lower forward, longitudinal framing at double bottom & keel*
Official No. _____; Signal Letters *H. P. G. F.* State if Machinery is fitted aft *yes*
How are the surfaces preserved from oxidation? Inside *Paint in bottom, otherwise oil paint* Outside *Paint & oil paints*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *yes*
girders on floor under fore hold

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<i>22.0</i>	<i>139</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>20.3</i>	<i>197</i>
Double bottom, if under Engines only,	<i>47.6</i>	<i>112</i>	Deep tank, aft,		
Double bottom, if under Boilers only, <i>air tank</i>	<i>19.5</i>		Deep tank, forward,	<i>26.0</i>	<i>157</i>
Double bottom, forward,	<i>243.5</i>	<i>1723</i>	Other tanks, if fitted, <i>longitudinal top tank aft</i>	<i>115.0</i>	<i>118</i>
Total capacity of double bottom	<i>1835</i>		(If necessary, furnish further information by sketch.) <i>transverse top tank</i>		<i>374</i>

* 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. *23*

Date *4th January 1923*

No. *369* in builder's yard.

Dates of Surveys held while building

*1922: Dec 12 1923: Jan 15, Feb. 1, 3, 12, 24, 26 March 6, 17
April 5, 17, 24 May 14, 18 June 26 July 4, 7, 14, 18, 23
August 7, 13, 26, Sept 8, 18, 29 Oct. 8, 11*

Total No. of Visits *28*

Surveyor's Signature

G. H. B. K. M.

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