

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office 14 JAN 1930

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 *11 January 1930*Port of *Lith*No. *17432*Survey held at *Burntisland*Date First Survey *15 May 1929*Last Survey *7 January*

1930

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *SS "ZOUAVE"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling*State Type of Erections *P.B. & F.*TONNAGE under Tonnage Deck... *3894.19*CLASS *+100A.1*State if with freeboard as condition of Class *✓*Built at *Burntisland*Launched *16 November 1929* Yard No. *158*Builders *The Burntisland S.S. Co. Ltd.*Owners *The Zinal Steamship Co. Ltd.*Managers *Turner Brightman & Co.*

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

Residence *London*Port of Registry *London*If surveyed while building, afloat, or in dry dock *while building*

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total *3894.19*Gross Tonnage *4253.43*Register Tonnage *2628.45*

## REGISTERED DIMENSIONS.

FEET.

Length *370.9*Breadth *51.4*Depth *25.15*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *368.0*Breadth (greatest moulded) *B 51.6*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 27.54*1st Longitudinal Number (L x D) *= 10136*2nd Numeral L x (B + D) *= 28965*Framing Depth "d," at middle of length. See Sec. 3 (1d) *corrected 23.94*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.36*Do. Long Bridge to top of keel *10.24*Draught Moulded *(23.8 3/4) 23.73*

## 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.
From After Plate GHD to frame 128	28		Bracket Floors, Frame	L 6 3 1/2 36	
FRAMES, Spacing amidships			" " Reversed Frame	L 5 1/2 3 36	
From frame 128 to Collision GHD	27		" " Vertical Struts	Two L 9 x 3 x 3 38	
" " from 3 length to Collision bulkhead			and one 6 1/2 x 3 x 40 at neck girder		
In way of After beam Tank	24		Centre Girder, depth and thickness amidships	40 50	
" " in peaks			" " top Angles	6 6 48	
In way of Fore beam Tank	26		" " bottom Angles	6 6 54	
SIDE FRAMING			Side Girders, No. each side and thickness	one 6 longit girder	
at 28" spacing	12 3 1/2 50		Margin Plate depth (excl. of flange) and thickness	34 47	
Frame amidships, Angle, [ or [			" " Vertical Angle to Tank side	6 6 43	
" " Extends up to	Upper deck		Bracket abaft 1/2 len. from stem	6 6 43	
Reversed Frame Amidships, Angle			" " Vertical Angle to Tank side	6 6 43	
" " Extends up to			Bracket forward 1/2 len. from stem	6 6 43	
Depth of Framing Girder	12		" " Gussets, spacing and scantling	every frame	
Frames in Uppermost Continuous 'tween			abaft 1/2 len. from stem	3 1/2 x 3 1/2 x 44	
Decks, Angle, [ or [			forward 1/2 len. from stem	every frame	
" " Second 'tween Decks, Angle, [ or [			Tank Side Brackets, height above base line at toe of Frame and thickness	6 6 44	
" " Third			INNER BOTTOM PLATING.		
After Plate	7 1/2 3 34	.32	Breadth and thickness of Middle Line Strake	53 1/2 48	
Fore Plate	7 1/2 3 36		Thickness of remainder in Holds	41 6 37	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	78 6 1/2 60 C		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 38 1/2 40	
State if Frame Joggled	yes		BEAMS.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	6 1/2 3 1/2 45 frames		Uppermost Continuous Deck, amidships	10 3 1/2 43	at 28" spacing
6 1/2 x 3 1/2 x 45 frames to margin plate			" " in way of Bridge, Angle, [ or [	10 3 1/2 40	at 27" "
6 1/2 x 3 1/2 x 38 back bar floor to margin plate			Spacing	28	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double 1 1/2 at bottom of centre girder.		Second Deck, amidships, Angle, [ or [		
SINGLE BOTTOM.			Spacing		
Floors, Depth and thickness at mid-line in Holds			Third Deck, amidships, Angle, [ or [		
Height of Brackets at side above base line at toe of frame			Spacing		
Middle Line Keelson, on Floors, Angles, [ or [			Fourth Deck, amidships, Angle, [ or [		
" " Through Plate or Intercoastal Plate			Spacing		
" " Foundation Plate on Floors			Poop Deck, Angle, [ or [	6 3 32	
" " Flat Plate Keel Angles			Spacing	24	
Side Keelsons, No. each side			Bridge Deck, Angle, [ or [	8 3 38	
" " thickness of Intercoastal Plate			Spacing	28	
" " Angles			Forecastle Deck, Angle, [ or [		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	37 84				
Frames joggled and cut where shown on midship section					
" " Are Frame and Reversed Frame joggled?					
Run in frames are not joggled.					
Bracket Floors, breadth and thickness at middle line	37 37				
" " breadth and thickness at margin plate	60 37				



## 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.
<b>PILLARS, No. of Rows.....</b>		one		Stringer Plate, breadth and thickness in way of Bridge .....			
,, in 'tween Decks, Size and Spacing .....		Both 2 1/8 x 48		Thickness of Plating abreast Deck openings in way of Wells .....			
,, ,, ,, ,, .....		Angle 2 1/8 x 56		Thickness of Plating abreast Deck openings in way of Bridge .....			
,, in Holds .....		Four 2 1/8 x 52		Thickness of Plating within line of openings...			
,, ,, ,, ,, ,, .....		Centre line pillars at later end and four aft BHD with stiffeners as per plan		If Sheathed, material and thickness .....			
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing .....		As per plan every 2nd frame		Stringer Plate, breadth and thickness.....			
Plating, thickness of .....		30		If Plated, state thickness.....			
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells .....		as per Profile plan		If Plated, state thickness .....			
,, ,, ,, ,, in way of Bridge .....		54 x 37		<b>Poop Deck.</b>			
,, Angle in Wells .....		6 6 x 64		Stringer Plate, breadth and thickness .....		34	34
Thickness of Plating abreast Deck openings in way of Wells .....		56 (as plan)		Plating, Sheathing, material and thickness .....		26	2 1/2 w w
Thickness of Plating abreast Deck openings in way of Bridge .....		34		<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...		32 x 38		Stringer Plate, breadth and thickness.....		54	50
If Sheathed, material and thickness .....				Plating, Sheathing, material and thickness .....		42	16 x 34
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...				Stringer Plate, breadth and thickness.....		Plating 3	
				Plating, Sheathing, material and thickness .....			

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>no</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL .....	<i>63 3/4</i>	<i>.72</i>	<i>.64</i>	<i>.64</i>	<i>/</i>	<i>Double</i>	<i>1</i>	<i>3 1/2</i>	<i>Quad</i> <i>Triple</i>	<i>1</i> <i>7/8</i>	<i>3 1/16</i> <i>3 1/8</i>	<i>Lapped</i>
„ DBLG. (if any) <i>✓</i>												
BOTTOM PLATING, No. of Strakes ..... <i>3</i>	<i>82 1/8</i>	<i>.57</i>	<i>.46</i>	<i>.45</i>	<i>/</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Triple</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes ..... <i>1</i>	<i>77 1/4</i>	<i>.57</i>	<i>.45</i>	<i>.45</i>	<i>/</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE PLATING, No. of Strakes ..... <i>3</i>	<i>82 1/8</i>	<i>.57</i>	<i>.44</i>	<i>.42</i>	<i>/</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>52</i>	<i>.64</i>	<i>su Profile</i>	<i>Deck Plan</i>		<i>1 1/4</i>	<i>7/8</i>	<i>"</i>	<i>Quad</i> <i>Triple</i>	<i>1</i> <i>7/8</i>	<i>3 1/16</i> <i>3 1/8</i>	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...	<i>72 3/8</i>	<i>.57</i>	<i>.44</i>	<i>.42</i>	<i>/</i>	<i>"</i>	<i>7/8</i>	<i>"</i>	<i>Triple</i>	<i>7/8</i>	<i>3 1/8</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Wells.....	<i>50</i>	<i>.66</i>	<i>su Profile</i>	<i>Deck Plan</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...	<i>.57</i>				<i>/</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
POOP SIDE PLATING .....			<i>.37</i>		<i>/</i>	<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
BRIDGE SIDE PLATING ...	<i>.63</i>				<i>/</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Triple</i>	<i>7/8</i>	<i>3 1/8</i>	<i>"</i>
FORECASTLE SIDE PLATING			<i>.42</i>		<i>/</i>	<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>

## WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel— 6  
 Extending to Upper Deck (Sec. 3 c) .....  
 „ Deck next below ..... 6  
 As per Rule.....

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....				
STEM .....				
STERN FRAME {				
{ Propeller Post				
{ Rudder				
RUDDER—A × D.....				
Speed of Vessel.....				
RUDDER mainpiece at head .....				
" " "				
" " "				
" how constructed .....				
" double or single plate .....				
" coupling, vertical or .....				
" horizontal .....				

		STIFFENERS.	
		VERTICAL.	HORIZONTAL.
Plating Thickness.		Scantlings, Spacing.	Scantlings, Spacing.
Plating in way of bulges. 45			
MIDSHIP BULKHEAD, Upper tween decks	✓	12x3 1/2 x 45	5 30
Frames No 35	39 x 31		
" " Second	62 39 x 30	"	" "
" " Third	81 45 x 30	"	" "
" " Holds	127 40 x 32	12x3 1/2 x 3 1/2 x 53	60 5 "
" " COLLISION	(in Hold) 152 44 x 26	5 1/2 x 3 x 34 upper	5 24
" " AFTER PEAK	12 70 x 30	8 x 3 x 36	6 "

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

*The Steel Company Scotland Ltd - Pear & Partners Ltd - David Colville & Sons Ltd - Consitt & Co - Mr Bradmore & Co Ltd - Cargo Flat Iron Co Ltd - (O.H.)*

Has the Steel been tested as required by the Rules?

*yes*



EQUIPMENT No. 31098										LETTER X		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.		
44812	1st Bower ...	56	2	20	46	7	3	7	56	1	0	Quadrant	✓ Cradley Heath	11/10/29 L.P.
44813	2nd „ ...	55	2	12	45	15	1	7	56	1	0	„	„	„
44814	3rd „ ...	47	3	0	40	19	1	14	47	2	0	„	„	„
	Collective weight.	160	0	4					160	0	0			
44844	Stream ...	15	0	20	4	0	20	16	12	0	21	15-0-0	Ordinary Forged	Cradley Heath 24/10/29 L.P.

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.	Statu- tory.	Break- ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
42479	270	2 1/8	8 1/4	11 3/4	623	0	14	608 3/4	270	2 1/8	sc	B. Hingley & Son	Cradley Heath 31/8/29 L.P.	TOWLINE...	120	4 1/2	39.2	120	4 1/2
														HAWSERS & WARPS	2 @ 90	2 1/2	12.7	2 @ 90	2 1/2
															2 @ 90	2 1/2	12.7	2 @ 90	2 1/2
Iron Stream Chain or Steel Wire	90	4 1/2	39.2						90	4 1/2									

Steering Gear, Steam *John Lynn & Co. Ltd.* Steering Gear, Hand *Brown & Reeling tackle*  
Boats *2 life boats & 1 dinghy* Steering Chains, Size and Test *1 1/4" wire 18 3/4 tons* Windlass *Emerson Walker & Co.*  
Ceiling in Holds, thickness and material *2 1/2" ww below hatchways* Cargo Battens, thickness, material and spacing *2" ww 6" apart.*  
Cargo Hatchways. (Upper Deck) *of steel plates & angles* Thickness of Hatches *3" & 2 1/2"*  
Size of No. 1 Hatchway (Forward) *19'3" x 20'0"* No. 2 *30'4" x 20'0"* No. 3 *23'4" x 20'0"* No. 4 *30'4" x 20'0"* No. 5 *30'4" x 20'0"* No. 6 *✓*  
Number of Shifting Beams and/or Fore and Afters *Nº 1-4, Nº 2-4, Nº 3-3, Nº 4-4, Nº 5-4,*

FOR THE BURNISLAND SHIPBUILDING COMPANY LTD.

Builder's Signature

MANAGING 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 *no* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This Vessel has been built in accordance with the Approved plans and in general conformity with the Rules. The material and workmanship are good. The Double Bottom Tanks, the Fore & After Peak Tanks, the weather decks, the shaft tunnel & W.T. Bulkheads have been tested in accordance with the Rule requirements, and the results of these tests were satisfactory. The W.T. Doors, the steering gear & the windlass have been run in good working order. The fuelboard marks have been cut upon the Vessel's sides & verified. The shell plating to stern frame is of Rule thickness. The following plans are forwarded herewith: - Midship Section, Profile & Section, Stern frame & Rudder & Pumping Room - also the Reports on Castings & one on Forgings -*

The amount of Entry Fee ..... £ *8 : 0 : 0* Fees applied for, *13-1-1930*  
Special Survey Fee.... £ *287 : 11 : 0* Received by me, *14-2-30*  
Travelling Expenses, if any £ *3 : 9 : 0*  
*Fussaro 8 6 8* *yes*

I am of opinion the Vessel should be Classed

*+100A1*

State whether the Vessel has been built under Special Survey

Signature

Surveyor to Lloyd's Register of Shipping.

Hull Certificate to be sent to

Date of issue

Committee's Minute

TUE. 21 JAN 1930

Character assigned

*+100A1*  
*Lloyd's arch.*  
*+ Limb 1.30*  
*Cl. 30,*

*White Glo*  
*2/11/30*



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Lloyd's Register  
Foundation



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.)

*[Handwritten notes and calculations, including measurements like 32-2-13, 4361, 3-6-29, 32-2-18, 2096, 18-10-28, 26-3-0, 1357, 16-3-25, and various other figures and text.]*

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 2nd 3rd	32-2-13 A.L. 32-2-18 A.B. 26-3-0 R.P.	4361 2096 1357	3-6-29 18-10-28 16-3-25
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29.42 ft., R.Q.D. 5 ft., Bridge 233.08 ft., Forecastle 32.08 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). *1. D<sup>th</sup>*

\* Official No. *161344* Signal Letters *Is bottom of Vessel coated with cement* *yes* if not give particulars of composition *solid cement below bolers, cleaverters fillets & solid in way of riveting.*

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PARTICULARS OF WATER BALLAST.—					
Where Fitted.			Where Fitted.		
	°Length.	Water Capacity.		°Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, <i>N<sup>o</sup> 495</i>	<i>116.67</i>	<i>353</i>	Fore peak tank,	<i>18.02</i>	<i>96</i>
Double bottom, under Engines and Boilers, <i>N<sup>o</sup> 3</i>	<i>39.67</i>	<i>172</i>	After peak tank,	<i>24.00</i>	<i>17.5</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, <i>N<sup>o</sup> 142</i>	<i>166.0</i>	<i>608</i>	Other tanks, if fitted,		
Total capacity of double bottom <i>1133</i>			(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. <i>1182</i>	Dates of Surveys held while building	<i>1929 May 15 24 June 4 7 19 25 28</i>
Date <i>18 March 1929</i>		<i>July 2 5 10 31 August 2 6 9 16 20 27</i>
		<i>Sept 2 10 13 17 20 24 27 Oct 1 8 11 15 17</i>
		<i>22 25 29 Nov 1 5 14 16 19</i>
		<i>Dec 6 10 13 20 Jan 8</i>
		Total No. of Visits <i>42</i>