

STEEL STEAMER ~~OF~~ MOTORSHIP.

Received at London Office MAY 4 1938

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

28 APR 1938

Port of *Liverpool*

No. 110700

Survey held at *Lytham*

Date First Survey

17<sup>th</sup> June 1936

Last Survey

20<sup>th</sup> April 1938.On the *(Single, Twin or Triple Screw)**S/S. "BROOMFIELD."*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)**Full Scantling*

State Type of Erections

*See R.P. 11*

TONNAGE under Tonnage Deck...

44/81

CLASS *100 A1.*

State if with freeboard as condition of Class

No.

Built at

*Lytham*

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 170.33.

Launched

18/11/37.

Yard No. 541.

Total

657.36

Breadth (greatest moulded)

28.66

Builders

*Lytham**S/VE. Co. Ltd.*

Gross Tonnage

657.36

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 13.50.

Owners

*Zillah Shipping & Carriage Co. Ltd.*

Register Tonnage

273.66

1st Longitudinal Number (L x D)

= 2295.

Managers

*A.W. Savage Ltd.*

2nd Numeral L x (B + D)

= 7168

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

## REGISTERED DIMENSIONS. FEET.

Length

171.00.

Breadth

28.85.

Depth

11.25.

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

11.0: U.O.K.

Proportions—Depth to Length—Uppermost continuous deck to top of keel

14.25: R.P.K.

Do. Long Bridge to top of keel

12.59.

Draught Moulded

9.8

Residence

*7. Chapel St. Liverpool*

Port of Registry

*Liverpool*

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.
<b>FRAMES, Spacing amidships</b>	22	✓	<b>Bracket Floors, Frame</b>		
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	22	✓	" " Reversed Frame		
" " in peaks	22	✓	" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	29 $\frac{1}{2}$ x 27	✓
Frame Amidships, Angle, $\angle$ or $\square$	5 $\frac{1}{2}$ x 3 x 30 R.P.K. } <i>as</i> 5 x 3 x 30 U.O.K. } <i>appd.</i>	✓	" " top Angles	3 x 3 x 28	✓
" " Extends up to	Upper R.P.K.	✓	" " bottom Angles	3 x 3 x 37	✓
Reversed Frame Amidships, Angle	B.A. framing	✓	<b>Side Girders, No. each side and thickness</b>	7 $\frac{1}{2}$ only as appd.	✓
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>	3 $\frac{1}{2}$ x 31	✓
Depth of Framing Girder	5 x 5 $\frac{1}{2}$	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	3 x 3 x 28	✓
Frames in Uppermost Continuous 'tween Decks, Angle, $\angle$ or $\square$			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	as appd.	✓
" " Second 'tween Decks, Angle, $\angle$ or $\square$			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" " Third " " " "			" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	✓	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	5 x 3 x 30	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	40 x 30.	✓
" " in Peaks, Angle	5 x 3 x 27	✓	<b>INNER BOTTOM PLATING.</b>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/4 @ 54	✓	Breadth and thickness of Middle Line Strake	42 x 33-30	✓
State if Frame Joggled	No.	✓	Thickness of remainder in Holds	29-28	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved	✓	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?	as appd.	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved	✓	<b>BEAMS.</b>		
<b>ANGLE BOTTOM. in E.T.B. Space</b>			Uppermost Continuous Deck, amidships	5 $\frac{1}{2}$ x 3 x 34	✓
Floors, Depth and thickness at mid-line in Holds	48 x 34 m.E.R.	✓	" " in way of Bridge, Angle, $\angle$ or $\square$	3 $\frac{1}{2}$ x 3 x 32: 30. R.P.K.	✓
Height of Brackets at side above base line at toe of frame	18 x 40 m.B.R.	✓	Spacing	22	✓
Middle Line Keelson, on Floors, Angles, $\angle$ or $\square$	45"	✓	<b>Second Deck, amidships, Angle, <math>\angle</math> or <math>\square</math></b>	5 $\frac{1}{2}$ x 3 x 30	✓
" " Through Plate or Intercoastal Plate	3 $\frac{1}{2}$ x 3 x 46. E.T.B. 1/2	✓	Spacing	22	✓
" " Foundation Plate on Floors	27 x 46 m.B.R. 1/2 3/2 m.E.S.K.	✓	<b>Third Deck, amidships, Angle, <math>\angle</math> or <math>\square</math></b>		
" " Flat Plate Keel Angles	12 x 46 m.B.S.K. + as appd.	✓	Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, <math>\angle</math> or <math>\square</math></b>		
Solid Floors, thickness and spacing	3 $\frac{1}{2}$ 3 $\frac{1}{2}$ 36.	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	one	✓	<b>Fifth Deck, amidships, Angle, <math>\angle</math> or <math>\square</math></b>		
Bracket Floors, breadth and thickness at middle line	40 B.S.	✓	Spacing		
" " breadth and thickness at margin plate	4 $\frac{1}{2}$ S. 40.	✓	<b>Poop Deck, Angle, <math>\angle</math> or <math>\square</math></b>	3 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x 3	✓
			Spacing	22	✓
			<b>Bridge Deck, Angle, <math>\angle</math> or <math>\square</math></b>		
			Spacing		
			<b>Forecastle Deck, Angle, <math>\angle</math> or <math>\square</math></b>	5 x 3 x 22	✓
			Spacing	22	✓



# 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>			Stringer Plate, breadth and thickness in way of Bridge .....		
.. in 'tween Decks, Size and Spacing.....	3" under 2ch ✓		Thickness of Plating abreast Deck openings in way of Wells .....		
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge .....		
" in Holds " " I	6x6x25 lbs as approved ✓		Thickness of Plating within line of openings...		
" " " " " "	3" in mealy space 2R ✓		If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	✓		If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck. RPA</b>	52x.32 ✓		Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	54x.40-.36 ✓		If Plated, state thickness .....		
" " " " " in way of Bridge			<b>Poop Deck.</b>		
" Angle in Wells .....	3 1/2. 3 1/2. 40 ✓		Stringer Plate, breadth and thickness .....	26. allow ✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.30 ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....			<b>Bridge Deck.</b>		
Thickness of Plating within line of openings..			Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness .....	no		Plating, Sheathing, material and thickness ...		
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	26 allow ✓	
			Plating, Sheathing, material and thickness...	not checked	

## SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.		SINGLE OR DOUBLE.	RIVETS. Diam. Inches. Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL .....	39"	.53 ✓	.42 ✓	.42 ✓	no	2R	3/4 3" ✓	3-2 Rows	3/4 2 3/8 ✓	3 1/2 ✓	lapped
" DBLG. (if any)		✓	✓	✓	"	-					
A BOTTOM PLATING, No. of Strakes .....	55"	.40 ✓	.26 ✓	.36 ✓	"	2R	3/4 3" ✓	3-2 Rows	3/4 2 7/8 ✓		-
B BILGE PLATING, No. of Strakes .....	55"	.40 ✓	.36 ✓	.36 ✓	"	"	" " ✓	"	" " ✓	"	"
C SIDE PLATING, No. of Strakes .....	55"	.36 ✓	.32 ✓	.32 ✓	"	"	" " ✓	2R	" " ✓	"	"
D UPPER DECK, Sheer-strake in Well.....	48"	.43 ✓	.34 ✓	.32 ✓	"	"	" " ✓	3-2 Rows	" " ✓	"	"
E RPA DECK, Sheer-strake in Bridge .....	49"	.38 ✓	.26 ✓	.32 ✓	"	"	" " ✓	"	" " ✓	"	"
F STRAKE BELOW Sheer-strake in Well.....	55"	.40 ✓	.32 ✓	.32 ✓	"	"	" " ✓	"	" " ✓	"	"
G STRAKE BELOW Sheer-strake in Bridge .....	44"	.38 ✓	-	.32 ✓	"	"	" " ✓	"	" " ✓	"	"
H POOP SIDE PLATING .....	39" 48"	-	-	.26	"	1R	7/8 2 1/2 ✓	1R.	7/8 2 1/4 ✓		-
I at break of RPA	44"	.60 ✓	-	-	"						
J BRIDGE SIDE PLATING ...	45"	-	.26	-	"	1R	7/8 2 3/4 ✓	1R.	7/8 2 1/2 ✓		-

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 3. ✓ 3 BH

" Deck next below 3. ✓ 22

As per Rule

as approved

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>					
" " Second No. 6	✓	28-40	7-3. 33. L	29"	Cracked as appd
" " Third "					
" " Holds .....					
<b>COLLISION</b> " (in Hold) No. 13.	30-42.	6x3x42 L	✓	24"	S. Box Beam
<b>AFTER PEAK</b> " " No. 88	30-36	5 1/2 x 3 x 30 L	✓	24"	do

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....			Photo keel ✓	
<b>STEM</b> .....			Roller 64x 1 1/2 ✓	
<b>STERN FRAME</b> { Propeller Post .....			Forged 6x33 ✓	5x4 1/2" see plan
{ Rudder .....			Scrap 2m do	Lytton 18. 15. 6
<b>Speed of Vessel</b> .....			under 12K ✓	
<b>RUDDER—Type</b> .....			Stream lined double plate ✓	
" A x D .....			92.012 ✓	Lytton 18. 15. 6
" Diam. of head .....			5 ✓	Forged Scrap 2m
" Mainpiece at top pintle			54 ✓	
" " heel ...			44 ✓	
" how constructed .....			Shrink on arms ✓	
" double or single plate			double	
" 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)

Consett; Tyzack; Steel Co. of Scotland; Sherrin Iron Co.

Has the Steel been tested as required by the Rules?

Yes ✓







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.)

This vessel is a sister ship to G.S. No. 840. "BRACKENFIELD" except for the rudder & bunker bulkhead & cross hatch

The approved plans 25. in number are forwarded herewith together with Midship Section of vessel as built

PARTICULARS OF ELECTRIC WELDING (if employed) For minor fittings only.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book +100.A.I. ✓ 1 deck steel

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

1st Bower	8.3.3 ✓	W.H.:	6607:	16/4/37.
2nd "	8.3.10 ✓	W.H.:	6606:	16/4/37.
3rd "	7.3.9 ✓	J.F.R.:	2389:	11/6/37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 101.8 ft., Bridge ✓ ft., Forecastle 25.04 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated No.

Official No. 166230. Signal Letters  
No. and Material of Decks 1 deck steel Extreme Breadth over Belting (Circ. 1611) 28'-10 5/8" Clear out Over-all Length (Circ. 1703) 176'-9" ✓

Parts of Bottom of Vessel coated with cement or approved composition 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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	22-5' ✓	110. ✓
Double bottom, under Engines and Boilers,			After peak tank,	15-16' ✓	47. ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	86-2 ✓	113. ✓	Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 1304

Date 18/3/1936.

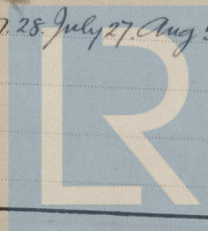
Dates of Surveys held while building

1936:—June 17, July 29, Aug 26, 28, Sept 5, 22, Oct 9, 28, Dec 18.

1937:—Jan 12, 17, Mar 17, 31, Apr 7, 12, 13, 14, 27, May 5, 14, 27, June 2, 17, 28, July 27, Aug 5, 6, Sept 1, 23, Oct 14, 21, 26, Nov 29, 17, 30, Dec 14.

1938:—Jan 27, Mar 8, 14, 29, Apr 4, 20.

L.R.L.



Lloyd's Register  
Total No. of Visits 43  
Foundation