

State if Report is sent on the Machinery of the Vessel.....*Yes*

Date of completion of report 22-8-29 Port of HULL No. 40139
Survey held at Beverly & Hull Date First Survey May, 24th, 1929 Last Survey Aug. 20th, 1929
On the (State if Machinery Afted Aft and at Single, Twin or Triple Screw) Single screw Trench BEYERLAC having machinery aft
State Type (Full Scantling, Complete Superstructure with or without Ponnage Openings) Steam bawler State Type of Erections P. 9th & 7th

State if with freeboard
as condition of Class

Length from fore part of stem to after part of stern
past on ~~number~~ L. W. L. Sec. Sec. 2 (1c)

BEANS (dreatest moulded)

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

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

Draught Moulded

Built at Twickenham

Launched 23-7-24 Yard No. 625

Builders *Cook, Welton & Gemmell Ltd.*

W.A. Massey & Sons, Ltd.

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

Residence Hull

Port of Registry *Hull*

If surveyed while building, afloat, or in dry dock

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.
MES, Spacing amidships	20 ✓		Bracket Floors, Frame		
" from $\frac{1}{2}$ length to Collision bulkhead.....	16 9 20 ✓		" " Reversed Frame		
" in peaks.....	20 ✓		" " Vertical Struts		
E FRAMING.			Centre Girder, depth and thickness amidships		
Same Amidships, Angle, \square or \square	$4\frac{1}{2}$ 3 40 ✓		" " top Angles		
" Extends up to	deck		" " bottom Angles		
Reversed Frame Amidships, Angle	3 3 37 ✓		Side Girders, No. each side and thickness		
" " Extends up to	across floor where no cement		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girders			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, \square or \square			" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, \square or \square			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle \square or \square	$4\frac{1}{2}$ 3 40 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ $5\frac{1}{4}$ ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	no		Breadth and thickness of Middle Line Strake		
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	closer frame spacing & rivetting, lower deck stringers & beams, etc..		Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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?		
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	17 37 ✓		Uppermost Continuous Deck, amidships in Wells, Angle, \square or \square	6 3 9/20 ✓	
Height of Brackets at side above base line at toe of frame	flat topped		" " in way of Bridge, Angle, \square or \square	alt. frames ✓	
Middle Line Keelson, on Floors, Angles, \square or \square	8 3 1/2 44 ✓		Spacing		
" " " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, \square or \square		
" " " Foundation Plate on Floors			Spacing		
" " " Flat Plate Keel Angles	5 4 42 ✓		Third Deck, amidships, Angle, \square or \square		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, \square or \square		
" " Angle	5 4 8/20 ✓		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, \square or \square		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, \square or \square		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, \square or \square	4 3 38 ✓	
			Spacing	30	

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.
PILLARS, No. of Rows.....	1			Stringer Plate, breadth and thickness in way of Bridge			
" in 'tween Decks, Size and Spacing.....				Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds " "				Thickness of Plating within line of openings...			
" " " " " "				If Sheathed, material and thickness			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....				Stringer Plate, breadth and thickness.....			
Plating, thickness of				If Plated, state thickness.....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	28	3/4		If Plated, state thickness			
" " " " in way of Bridge	5/16	4	6/16	Poop Deck.			
" Angle in Wells	3	3	3/8	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells		5/16		Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge	10		6/16	Bridge Deck.			
Thickness of Plating within line of openings...	5/16	4	7/16	Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness	3	P.P.		Plating, Sheathing, material and thickness			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...				Stringer Plate, breadth and thickness.....		3/1	
				Plating, Sheathing, material and thickness		3/1	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— Extending to Upper Deck (Sec. 3 c) 4 ✓ " Deck next below ✓ As per Rule 3 ✓						
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks						
"	"	Second	"			
"	"	Third	"			
"	"	Holds				
COLLISION	"	(in Hold)				
AFTER PEAK	"	"				

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	rolled	8x2	Frodingham	
STEM	"	"	"	
STERN FRAME {		6x3 1/4		
Propeller Post				
Rudder		"		
RUDDER—AxD		40.5 x 2.13 = 90		
Speed of Vessel		under 12 kts.		
RUDDER mainpiece at head ...		5 1/2		
" " heel ...		4 1/2 x 3 1/2		
" " how constructed		stock, bow & arms in one piece.		
" " double or single plate		.30		
" " coupling, vertical or		none		
" " 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.*
Consett Iron Co., Ltd. - Bolckow, Vaughan & Co., Ltd. - Appleby Iron Co., Ltd.

Has the Steel been tested as required by the Rules? *yes*

EQUIPMENT No. 5264										LETTER P		ANCHORS.			
Number of Certificate.	Anchor.	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.			
62363	1st Bower ...	8	1	21	none			10	10	0	0	8 1/4	Dreadnought	Taylor Tipton	14-6-29 Drysdale
62359	2nd „ ...	7	2	18	„			9	15	3	21	7 1/2	„	„	„ „
62174	3rd „ ...														
	Collective weight.											3 1/4			
62174	Stream	3	1	14	3	12		5	16	2	7	3 1/4	Ordinary	„	„ 25-4-29 „

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.		Descrip- tion.	Makers of Cable.	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.	Chr.		Length.	Chr.	
	Fathoms.	Ins.	Tons.	Tons.	Owts.	grs.	lbs.	Owts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Chr.	
64840	120 1/2	1 1/8	22 1/2	3 1/2	80-0-6				120	1 1/8	Steel Link	Taylor & Sons	Tipton, N.Y. 29 Drysdale	TOWLINE			60	6
													HAWSERS & WARPS			60	5	
Iron Stream Chain or Steel Wire	✓	Chr.								Chr.								

Steering Gear, Steam *Gunnell & Sons' comb-^d steam hand* Steering Gear, Hand *Killer & relieving tackles*

Boats *2 wooden cutters* Steering Chains, Size and Test *7/8"* Windlass *G.F.'s comb-^d steam hand*

Ceiling in Holds, thickness and material *3 oak & 2 1/4 P.P.* Cargo Battens, thickness, material and spacing *2" P.P. close*

Cargo Hatchways. (Upper Deck) *Steel plate coaming* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *2'5" x 3'1"* No. 2 *3'5" x 3'1"* No. 3 *3'5" x 3'1"* No. 4 *3'5" x 3'1"* No. 5 *4'0" x 3'1"* No. 6 ✓

Number of Shifting Beams and/or Fore and Afters *none*

COOK, WELTON & GEMMELL, LTD.,

Builder's Signature *Alfred Jural* Secretary & Director

GENERAL DECLARATION

[Large diagonal line across the section]

The amount of Entry Fee £ *3 : 0 : 0* Fees applied for, *24.9.1920*

Special Survey Fee.... £ *35 : 4 : 0* Received by me, *14.9.29*

Travelling Expenses, if any £ *4 : 0 : 0*

I am of opinion the Vessel should be Classed *100 A1*

State whether the Vessel has been built under Special Survey *yes* Signature *P. Demarest*

Certificate to be sent to *here* Date of issue *14/9/29* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 30 AUG 1929*

Character assigned *100 A1*

elm brawler

Thme 8.29

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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.)

This howler has been built in accordance with the approved plans, with the Secretary's letters and otherwise with the Society's Rules.

The material & workmanship are satisfactory. The two peaks, the W.T. flat, decks, gutterways, casing & hand pumps have been tested.

The approved plans are — Midship section. Profile & deck. Stern frame & rudder. Pumping arrangement.

Sister vessels are —

No. 522 - Kingston Peridot - Hull Rpt. No. 40049.
" 519 - Kingston Turquoise - " " " 39894.
" 516 - Kingston Jacinth - " " " 39763.
" 514 - Kingston Sapphire - " " " 39676.
" 501 - Amethyst - " " " 39125.
" 506 - Kingston Beryl - " " " 39417.
" 505 - Kingston Jasper - " " " 39394.

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

1st Bower Forged open hearth ingot steel—
2nd " " " " "
3rd " " wrought iron—

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 21 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 Sh.

Official No. 160849. Signal Letters Is bottom of Vessel coated with cement Yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

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

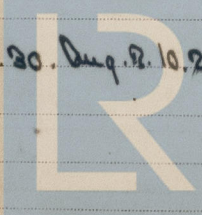
Order for Special Survey No. 2912

Date 24. 2. 29

Dates of Surveys held while building

1929. May. 24. Jan. 4. 11. 21. 24. July 2. 9. 16. 20. 23. 30. Aug. 2. 10. 20.

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Total No. of Visits 14