

## STEEL STEAMER or MOTORSHIP.

20 MAR 1928

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **NO**  
State if Report is sent on the Machinery of the Vessel **YES**

Date of completion of report **10 March 1928** Port of **HULL** No. **38779**  
Survey held at **Beverley & Hull** Date First Survey **25 Nov/27** Last Survey **10 March 1928**  
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Steel Screw Steam Trawler "Chalcedony"**  
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Full Scantling** State Type of Erections **R.R.D. & F.C.**  
TONNAGE under Tonnage Deck... **311.37** CLASS **100 A1 Steam Trawler** State if with freeboard as condition of Class **no** Built at **Beverley**  
Do. of space or spaces between Tonnage Dk. and Upper Dk. **311.37** Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **L 140.0** Launched **Feb. 11<sup>th</sup> 1928** Yard No. **493**  
Total **311.37** Breadth (greatest moulded) **B 23.87** Builders **Cook, Weston & Gemmell Ltd.**  
Gross Tonnage **352.37** Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 13.75** Owners **Kingston Steam Trawling Co. Ltd.**  
Register Tonnage **145.75** 1st Longitudinal Number (L x D) **= 1925** Managers **(Where necessary to be entered in Reg. Book.)**  
2nd Number L x (B + D) **= 5267** Residence **Hull**  
REGISTERED DIMENSIONS. FEET. Framing Depth "d" at middle of length. See Sec. 3 (1d) **12.33** Port of Registry **Hull**  
Length **140.3** Proportions—Depth to Length—Uppermost continuous deck to top of keel **10.18** If surveyed while building, afloat, or in dry dock  
Breadth **24.0** Do. Long Bridge to top of keel **✓** **While building and afloat.**  
Depth **12.9** Draught Moulded **✓**

## 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>	<b>20</b>		<b>Bracket Floors, Frame</b>		
" " from <b>69 to 79</b> length to Collision bulkhead	<b>16</b>		" " Reversed Frame		
" " in peaks	<b>20</b>		" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle, <b>E or F</b>	<b>4 1/2 3 40</b>		" " top Angles		
" " Extends up to <b>Upper R. &amp; D.</b>			" " bottom Angles		
Reversed Frame Amidships, Angle	<b>3 3 37</b>		<b>Side Girders, No. each side and thickness</b>		
" " Extends up to <b>across floors</b>			<b>Margin Plate</b> depth (excl. of flange) and thickness		
Depth of Framing Girder	<b>4 1/2</b>		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	<b>✓</b>		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem		
" " Second 'tween Decks, Angle, [ or ]	<b>✓</b>		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third " " " "	<b>✓</b>		" " Gussets, spacing and scantling forward 1/4 len. from stem		
Framing in Peaks, Angle <b>E or F</b>	<b>4 1/2 3 40</b>		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<b>3/4 x 5 1/4</b>		<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled	<b>No</b>		Breadth and thickness of Middle Line Strake		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	<b>Trawler</b>		Thickness of remainder in Holds		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars	<b>Trawler</b>		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?		
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds	<b>17 37</b>		Uppermost Continuous Deck, amidships in Wells, Angle, <b>E or F</b>	<b>6 3 45</b>	
Height of Brackets at side above base line at toe of frame	<b>hobkts</b>		" " in way of Bridge, Angle, [ or ]	<b>✓</b>	
Middle Line Keelson, on Floors, Angles	<b>8 3 1/2 44</b>		Spacing	<b>40</b>	
" " Through Plate or Intercostal Plate	<b>✓</b>		<b>Second Deck, amidships, Angle, [ or ]</b>		
" " Foundation Plate on Floors	<b>✓</b>		Spacing		
" " Flat Plate Keel Angles	<b>✓</b>		<b>Third Deck, amidships, Angle, [ or ]</b>		
Side Keelsons, No. each side	<b>One</b>		Spacing		
" " thickness of Intercostal Plate	<b>✓</b>		<b>Fourth Deck, amidships, Angle, [ or ]</b>		
" " Angles	<b>5 4 40</b>		Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			<b>Bridge Deck, Angle, [ or ]</b>		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle, <b>E or F</b></b>	<b>3 1/2 3 37</b>	
			Spacing	<b>30</b>	

## PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	<i>one</i>		
"    in 'tween Decks, Size and Spacing.....	<i>✓</i>		
"    "    "    "    " <i>3" to</i>			
"    in Holds    "    " <i>Link arrgts.</i>			
"    "    "    "    "			
<b>Centre Line Bulkhead.</b>			
Stiffeners and Spacing.....	<i>✓</i>		
Plating, thickness of .....	<i>✓</i>		
<b>STRINGERS AND DECKS.</b>			
<b>Uppermost Continuous Deck.</b>			
Stringer Plate, breadth and thickness in Wells	<i>28</i>	<i>.37</i>	
"    "    "    "    in way of Bridge	<i>✓</i>		
"    Angle in Wells .....	<i>3</i>	<i>3</i>	<i>.37</i>
Thickness of Plating <sup><i>tie</i></sup> abreast Deck openings	<i>7</i>	<i>.37</i>	
in way of Wells .....			
Thickness of Plating abreast Deck openings	<i>✓</i>		
in way of Bridge .....			
Thickness of Plating within line of openings...	<i>✓</i>		
If Sheathed, material and thickness .....	<i>5x3 P.P.</i>		
<i>R.Q.</i>			
<b>Second Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	<i>51x31x.37</i>		
Stringer Plate, breadth and thickness in way of Bridge	<i>✓</i>		
Thickness of Plating abreast Deck openings	<i>✓</i>		
in way of Bridge .....			
Thickness of Plating within line of openings...	<i>✓</i>		
If Sheathed, material and thickness .....	<i>5x3 P.P.</i>		
<b>Third Deck.</b>			
Stringer Plate, breadth and thickness.....			
If Plated, state thickness.....			
<b>Fourth Deck.</b>			
Stringer Plate, breadth and thickness.....			
If Plated, state thickness .....			
<b>Poop Deck.</b>			
Stringer Plate, breadth and thickness .....			
Plating, Sheathing, material and thickness ...			
<b>Bridge Deck.</b>			
Stringer Plate, breadth and thickness.....			
Plating, Sheathing, material and thickness ...			
<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness .....			
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?		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
Garboard	32	.43	.43	.43		double	3/4	3 1/3	two	3/4	2 5/8	strapped
FLAT PLATE KEEL .....												
„ DBLG. (if any)			✓									
BOTTOM PLATING, No. of Strakes .....		.37	.37	.37		"	3/4	"	three	"	"	lapped.
BILGE PLATING, No. of Strakes .....		.37	.37	.37		"	"	"	"	"	"	Strapped & lapped
SIDE PLATING, No. of Strakes .....		.43	.37	.37		"	"	"	"	"	"	lapped
UPPER DECK, Sheer-strake in Wells .....	42	.62	.43	.43		"	"	"	two	"	"	strapped
UPPER DECK, Sheer-strake in Bridge ...			✓									
STRAKE BELOW Sheer-strake in Wells .....	52	.37	.37	.37		double	3/4	"	three	"	"	lapped
STRAKE BELOW Sheer-strake in Bridge ...			✓									
POOP SIDE PLATING .....			✓									
BRIDGE SIDE PLATING ...			✓									
FORECASTLE SIDE PLATING			.31			single	3/4	3 1/3	two	3/4	2 5/8	strapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		4				
" Deck next below		4				
As per Rule		3				
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	"	Second	"			
"	"	Third	"	B.A.		
"	"	Holds .....	"	40 28 37 28 37	6x3x.28, 30 " .28, 24 5x3x.36 L. 24	✓ ✓ ✓
COLLISION		"	(in Hold) .....			
AFTER PEAK		"	" .....			

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	Rolled	8x2	Prodrigham	
<b>STEM</b> .....	Steel	"	"	
<b>STERN FRAME</b> {	Propeller Post	Forging 6x34	Forster	
{	Rudder	"	"	
<b>RUDDER—A×D</b> .....		90		
<b>Speed of Vessel</b> .....		12 knots		
<b>RUDDER</b> 5½" dia.	Forging	5½x5	Forster	
mainpiece at head	"	4x3	"	
" " heel	"	"	"	
" how constructed	Forged & built			
" double or single plate	double			
" 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.*  
*No. Durham S. & S. Co. Ld.; Consett S. Co. Ld.;*  
*Carbo Fleet S. Co. Ld.*  
 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.)

Sister vessels: — Aquamarine Hull. rpt. N<sup>o</sup>. 38737 Tard. ho. 492.  
Sardius " " 36953 " " 481  
Journeline " " 37024 " " 482  
Kingston Diamond " " 37297 " " 483  
Etc. etc.

Midship Section and Profile & Decks, plans as built Enclosed.  
2 Forging Reports Enclosed, also Steel invoices for vessels nos. 492 & 3.

The approved plans have already been forwarded with the first entry report on the Sister vessel "Aquamarine", Yard no 492.

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

1st Bower  
2nd "  
3rd "

60904 — wt. head 5.3.7  
Shank 2.1.21  
60905 — wt. head 4.3.21  
Shank 2.3.0

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 76.6 ft., Bridge ☒ ft., Forecastle 21.2 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 deck

Official No. ; Signal Letters

Is bottom of Vessel coated with cement yes if not give

particulars of composition Cement and bitumastic

#### PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER CAPACITY.					
Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	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. 2838

Date 23 Nov. 1927

Dates of Surveys held while building

1927 Nov 25 Dec 16. 20. 1928 Jan 4. 12. 18. 25 Feb 7. 15. 23. Mar 3. 8. 10

Total No. of Visits 14

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