

Rpt. 1.  
RECEIVED

25 APR 1947

IN D.O.

## STEEL STEAMER or MOTORSHIP.

Received at London Office 24 APR 1947

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

23 APR 1947

Port of HULL.

No. 54103

Survey held at HULL.

Date First Survey 11. 3. 47.

Last Survey 17. 4. 1947.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

STEAM TRAWLER KINGSTON SAPPHIRE.

No. of visits: 13.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

State Type of Erections R.Q.D. + F.C.S.L.E.

TONNAGE under Tonnage Deck...

398

CLASS 100A—  
STEAM TRAWLER.

State if with freeboard as condition of Class No.

FEET.

Built at SOUTH BANK MIDDLESBROUGH.

Launched Yard No. 987.

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

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) L 157.5

Breadth (greatest moulded) B 26.5

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15.25

1st Longitudinal Number (L x D) = 2401

2nd Numeral L x (B + D) = 6575

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

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

Do. Long Bridge to top of keel

Draught Moulded

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

Residence

Port of Registry HULL.

If surveyed while building, afloat, or in dry dock

AFLOAT &amp; ON SHIPWAY.

Total 398

Gross Tonnage 443

Register Tonnage 161

REGISTERED DIMENSIONS. FEET.

Length 162.3

Breadth 26.7

Depth 14.4

## 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.
FRAMES, Spacing amidships	21	✓	Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	18	✓	" " Reversed Frame	✓	
" " in peaks	18	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	✓	
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 7/16	✓	" " top Angles	✓	
" " Extends up to	UPPER & R.Q.D.	✓	" " bottom Angles	✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder	5		" " Vertical Angle to Tank side	✓	
Frames in Uppermost Continuous Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓		Bracket abaft 1/4 len. from stem	✓	
" " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓		" " Vertical Angle to Tank side	✓	
" " Third " " " "	✓		Bracket from forward 1/4 len. from stem to Panting Area	✓	
" " from 1 len. for'd. to 15% len. from Stem	✓		Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " in Peaks, Angle $\frac{1}{2}$	4 3 40	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5/4	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
State if Frame Joggled	No.	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	7 x 3 1/2 ANGLE	✓	Breadth and thickness of Middle Line Strake	✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	LOWER DECK BEAMS 4 1/2 x 4 1/2 x 42.	✓	Thickness of remainder in Holds	✓	
INGLE BOTTOM.			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?	✓	
Floors, Depth and thickness at mid-line in Holds	18 38	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame	10	✓	Uppermost Continuous Deck, amidships in Wells, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	6 3 45	✓
Middle Line Keelson, on Floors, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	10 x 3 1/2 x 3 1/2 x 44	✓	" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	6 3 4	✓
" " Through Plate or Intercoastal Plate	✓		Spacing	ALTERNATE	✓
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	ONE		Third Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Fourth Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	✓		Poop Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	
" " Are Frame and Reversed Frame joggled?	✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		R.Q. Bridge Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	6 3 4	✓
" " breadth and thickness at margin plate	✓		1/2 BEAMS AT SIDES OF E+B CASING ANGLE	5 1/2 3 4	✓
			Spacing	ALTERNATE	✓
			Forecastle Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 4	✓
			Spacing	36	✓



## PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows</b> .....	2 ROWS IN FISH HOLD	✓	
„ in 'tween Decks, Size and Spacing.....	✓		
„ „ „ „ „	✓		
„ in Holds „ „	✓		
„ „ „ „ „	✓		
<b>Centre Line Bulkhead.</b>			
Stiffeners and Spacing.....	ANGLES 6 3 .38 TOE WELDED. ALTERNATE.		
Plating, thickness of .....	.30.		
<b>STRINGERS AND DECKS.</b>			
<b>Uppermost Continuous Deck.</b>			
Stringer Plate, breadth and thickness in Wells	35 x .45.	✓	
„ „ „ „ in way of Bridge	✓		
„ Angle in Wells .....	3 1/2 x 3 1/2 x .45.	✓	
Thickness of Plating abreast Deck openings) in way of Wells .....	12 ✓ .38 the plating on letter 13-6-47		
Thickness of Plating abreast Deck openings) in way of Bridge .....	✓		
Thickness of Plating within line of openings...	✓		
If Sheathed, material and thickness	P.P. 5 x 3.	✓	
<b>Second Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	✓		
Stringer Plate, breadth and thickness in way of Bridge .....	✓		
Thickness of Plating abreast Deck openings) in way of Bridge .....	✓		
Thickness of Plating within line of openings...	✓		
If Sheathed, material and thickness	✓		
<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>R. Q. D. Bridge Deck.</b>			
Stringer Plate, breadth and thickness.....	35 x .35.	✓	
Plating, Sheathing, material and thickness	.32 TO .35 UNDER WINCH 5 x 2 1/2 P.P.	✓	
<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness.....	.32.	✓	
Plating, Sheathing, material and thickness ...	.3 TO .32 UNDER WINDLASS. SHEATHED	✓	

## 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. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL BAR	7 1/2	1 5/8	BULB PLATE.				10					
GARBOARD STRAKE.												
" DBLG. (if any)	A.	44	40	48		DOUBLE	3/4	10 IN SPACE	TWO.	3/4	2 5/8	LAPPED.
								INCLUDING FRAME RIVET.				
BOTTOM PLATING, No. of Strakes ... ONE ...	B.	40	40	48		"	"	"	"	"	"	"
BILGE PLATING, No. of Strakes ... TWO ...	C.	40	38	50		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes ...	D.	40	34	50		"	"	"	"	"	"	"
		AT ENDS ONLY.				DOUBLE BOTTOM TOP EDGE	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells ...	E.	40	34	38								
						DOUBLE	3/4	10 IN SPACE	TWO.	"	"	"
								INCLUDING FRAME RIVET.				
UPPER DECK, Sheer-strake in Bridge ...	F. 98	50	34	38		BOTTOM EDGE	WELDED.		2 AT ENDS.	"	"	STRAPPED.
										WELDED FROM 14 TO 76 FRAMES		
STRAKE BELOW Sheer-strake in Wells ...	-	-	-	-								
STRAKE BELOW Sheer-strake in Bridge ...	-	-	-	-								
POOP SIDE PLATING ...	-	-	-	-								
BRIDGE SIDE PLATING ...	-	-	-	-								
FORE'C'TLE SIDE PLATING		32				SINGLE.	3/4	2 1/2	TWO.	3/4	2 5/8	LAPPED.

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *FOUR.* ✓

„ Deck next below ✓

As per Rule *FOUR.*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar <i>ROLLED BULB PARTS</i>		<i>7 1/2 x 1 1/2</i>	✓	<i>BUTTS TO STEM &amp; STERN FRAME</i>
STEM			✓	<i>REMAINDER - E.V.</i>
STERN FRAME { Propeller Post	<i>FORGED.</i>	<i>8 x 3 1/2</i>	✓	
{ Rudder	<i>IRON.</i>	<i>5 x 5 1/4</i>	✓	
Speed of Vessel	<i>BETWEEN</i>	<i>10 &amp; 12 KNOTS.</i>	✓	
RUDDER—Type		<i>DOUBLE.</i>	✓	
„ A x D			✓	
„ Diam. of head		<i>7 1/2</i>	✓	
„ Mainpiece at top pintle			✓	
„ „ heel		<i>5 1/2</i>	✓	
„ how constructed	<i>FORGED &amp; BUILT.</i>		✓	
„ double or single plate	<i>3/4 E.V. TO RUDDER FRAME.</i>		✓	
„ coupling, vertical or horizontal	<i>VERTICAL.</i>		✓	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	Upper tween decks					
"	" Second "		FLATS.			
"	" <del>Third</del> FORE END BUNKER.	✓ ✓	375-25 5" x 5"	22½"		
"	" FORE END Holds FISH.. HOLD.	" "	5" x 5"	20"	R. F. TANK TOP ½ HEIGHT.	✓
"	" (in Hold) .....	" "	5" x 5"	24"	DECK ½ HT.	✓
"	" TOE WELDES A.	✓ ✓	75-3. 3½ x 3 x 30	21"	FLAT & DECK.	✓
COLLISION						
AFTER PEAK						

STEEL. See letter 15-6-47  
 Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) ✓  
 \_\_\_\_\_ ✓  
 Has the Steel been tested as required by the Rules? ✓







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.)

Bull angle frames 4 in number 7"x5" fitted on S.S. in Engine Room at alternate frames from aft of wing bunker bulkhead. 2 in number on P.S. + 2 reverse angles 5 1/2"x5 1/2" at alternate frames.

The feed water tanks in E.R. P+S shown on approved pumping plan of 25-3-47 have now been incorporated with the Live Oil Tanks by the piercing of the division. All suction pipes have been removed + there is no connection to the pumps. Drains only are fitted for draining to E.R. bilge.

The aft peak has also had the suction removed + is no longer a feed water tank, this tank shall now be dry at all times. A valve is fitted to the bulkhead + now drains into the E.R. well aft.

All tanks examined internally + tested to Rule Requirements.

Hand pumps, steering gear, windlass + W.T. door examined + tested + found satisfactory.

All requirements for S.S. "C" + vessels not built under survey have been complied with at this time. Report attached hereto.

The cruiser stern has now been adapted for use as a residue tank by erecting a bulkhead by continuous F.W. to ship side frames + deck beam. No suction is fitted. A flush scuttle is fitted to the deck in the C.L.O. boiler house for access.

This vessel was formerly classed by British Corporation.

#### PARTICULARS OF ELECTRIC WELDING (if employed)

The lower landing edge + butto of "F" strake (Sheerstrake) electrically welded from 14 to 76 frames. These parts specially examined as far as practicable + found efficient.

#### SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

WIRELESS, D.F. + E.S.D.

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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 84 ft., R.Q.D. 86 ft., Bridge 84 ft., Forecastle 28 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 164391. Signal Letters G.Y.L.X. Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703)

175' 7 1/2"

see letter 13-6-47.

No. and Material of Decks 1 DECK.

Parts of Bottom of Vessel coated with cement or approved composition ALL.

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,		
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 length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. ✓

Date

Dates of Surveys held while building



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Total No. of Visits