

Rpt. 1.

HOPPER BARGE

STEEL STEAMER OF MOTORSHIP.

Received at London Office JUN 16 1937

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: Hull Surveyors*Date of completion of report *15th June, 1937.*Port of *Gainsborough*No. *20155*Survey held at *Gainsborough*Date First Survey *3rd February*Last Survey *3rd June**1937*On the *(Single, Tonnage Deck)**"MARY SOUTHWELL" Hopper Barge (for river service)*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)*State Type of Erections *none.*TONNAGE under Tonnage Deck... *35.50*CLASS *IA - "Hopper Barge" as condition of Class*Built at *Gainsborough*Launched *11-5-37*Yard No. *1454*

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 *55*

Breadth (greatest moulded)

B *15*

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

D *5.5*Builders *J. S. Watson (Gainsborough) Ltd.*Owners *The Borough of Wisbech.*

Total

Gross Tonnage *35.50*Net Tonnage *28.37*1st Longitudinal Number (L x D) = *302.5*2nd Numeral L x (B + D) = *1127.5*Managers *✓*

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

Residence *Wisbech.*Port of Registry *Wisbech.*

If surveyed while building, afloat, or in dry dock

Building and afloat.

REGISTERED DIMENSIONS.

FEET.

Length *54.7*Breadth *15.1*Depth *5.1*

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	<i>24</i>	<i>✓</i>	Bracket Floors, Frame	<i>✓</i>	
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>24</i>	<i>✓</i>	" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts	<i>✓</i>	
FRAMING.			Centre Girder, depth and thickness amidships	<i>✓</i>	
Frame Amidships, Angle, <i>E or F</i>	<i>3 2 1/2 .25</i>	<i>✓</i>	" " top Angles	<i>✓</i>	
" " Extends up to	<i>deck</i>	<i>✓</i>	" " bottom Angles	<i>✓</i>	
Reversed Frame Amidships, Angle	<i>2 1/2 2 1/2 .25</i>	<i>✓</i>	Side Girders, No. each side and thickness	<i>✓</i>	
" " Extends up to	<i>on floor</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness	<i>✓</i>	
Depth of Framing Girder	<i>3</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	<i>✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
" " Second 'tween Decks, Angle, <i>E or F</i>	<i>✓</i>		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>✓</i>	
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
Framing in Peaks, Angle <i>E or F</i>	<i>3 2 1/2 .25</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>5/8 .4 1/2</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>no</i>		Breadth and thickness of Middle Line Strake	<i>✓</i>	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	<i>✓</i>		Thickness of remainder in Holds	<i>✓</i>	
STRENGTHENING OF BOTTOM FOR FORWARD. State Particulars	<i>✓</i>		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?	<i>✓</i>	
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>7 x .25</i>	<i>✓</i>	Uppermost Continuous Deck, amidships	<i>3 2 1/2 .25</i>	<i>✓</i>
" " in way of Hopper	<i>18 x .30 flanged.</i>	<i>✓</i>	" " in way of Bridge, Angle, <i>E or F</i>	<i>✓</i>	
Height of Brackets side above base line at toe of frame	<i>2 1/2 2 1/2 1/4 double</i>	<i>✓</i>	Spacing	<i>24</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, <i>E or F</i>	<i>9 1/2 x .25</i>	<i>✓</i>	Second Deck, amidships, Angle, <i>E or F</i>	<i>✓</i>	
" " Through Plate or Intercoastal Plate	<i>clean of hopper space</i>	<i>✓</i>	Spacing	<i>✓</i>	
" " Foundation Plate on Floors	<i>2 1/2 2 1/2 .25 double</i>	<i>✓</i>	Third Deck, amidships, Angle, <i>E or F</i>	<i>✓</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Spacing	<i>✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Fourth Deck, amidships, Angle, <i>E or F</i>	<i>✓</i>	
" " thickness of Intercoastal Plate	<i>✓</i>		Spacing	<i>✓</i>	
" " Angles	<i>✓</i>		Poop Deck, Angle, <i>E or F</i>	<i>✓</i>	
DOUBLE BOTTOM.			Spacing	<i>✓</i>	
Solid Floors, thickness and spacing	<i>✓</i>		Bridge Deck, Angle, <i>E or F</i>	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>✓</i>		Spacing	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Forecastle Deck, Angle, <i>E or F</i>	<i>✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>		Spacing	<i>✓</i>	

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	✓						✓		
„ in 'tween Decks, Size and Spacing.....	✓						✓		
„ „ „ „ „	✓						✓		
„ in Holds „ „	✓						✓		
„ „ „ „ „	✓						✓		
Centre Line Bulkhead.									
Stiffeners and Spacing.....	✓						✓		
Plating, thickness of	✓						✓		
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	✓	25		✓			✓		
„ „ „ „ in way of Bridge	✓						✓		
„ Angle in Wells	✓	2½	2½	25	✓		✓		
Thickness of Plating abreast Deck openings in way of Wells	✓	25		✓			✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓						✓		
Thickness of Plating within line of openings...	✓						✓		
If Sheathed, material and thickness	✓	no					✓		
Second Deck.									
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 Wells	✓						✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓						✓		
Thickness of Plating within line of openings...	✓						✓		
If Sheathed, material and thickness	✓	no					✓		
Third Deck.									
Stringer Plate, breadth and thickness.....	✓						✓		
If Plated, state thickness	✓						✓		
Fourth Deck.									
Stringer Plate, breadth and thickness.....	✓						✓		
If Plated, state thickness	✓						✓		
Poop Deck.									
Stringer Plate, breadth and thickness	✓						✓		
Plating, Sheathing, material and thickness ..	✓						✓		
Bridge Deck.									
Stringer Plate, breadth and thickness.....	✓						✓		
Plating, Sheathing, material and thickness ..	✓						✓		
Forecastle Deck.									
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.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPED
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	✓	✓	.25	.25	✓	Single	7/8	2 1/2	✓	Double	5/8	2 1/4	Lapped
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes . one)		.25	✓	.25	✓	Single	7/8	2 1/2	✓	Double	7/8	2 1/4	Lapped
BILGE PLATING, No. of Strakes one)		.25	✓	.25	✓	"	"	"	✓	"	"	"	strapped
SIDE PLATING, No. of Strakes													
UPPER DECK, Sheer- strake in Wells.....)		.25	✓	.25	✓	"	"			"	"	"	"
UPPER DECK, Sheer- strake in Bridge ..)		✓	✓	✓									
STRAKE BELOW Sheer- strake in Wells.....)		✓	✓	✓									
STRAKE BELOW Sheer- strake in Bridge ...)		✓	✓	✓									
POOP SIDE PLATING		✓	✓	✓									
BRIDGE SIDE PLATING ...		✓	✓	✓									
FOREC'TLE SIDE PLATING		✓	✓	✓									

WATERTIGHT BULKHEADS.

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

	Plating Thickness.	STIFFENERS.								
		VERTICAL.		HORIZONTAL.						
		Scantlings.	Spacing.	Scantlings.	Spacing.					
Hopper Side										
MIDSHIP BULKHEADS	Upper tween decks	25	3x2½	25	24	✓	✓	✓		
No. 15 & 21	" Second	30	25	4x2½	25	25	✓	✓	✓	
"	" Third									
"	" Holds									
COLLISION	" (in Hold)	25	30	25	3x2½	25	25	✓	✓	✓
AFTER PEAK	"									

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plan to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	<i>Rolled</i>	<i>3x1¼</i>	✓	<i>3x1</i>
STERN FRAME	Propeller Post	<i>forging 4½x1¾</i>	<i>Harvey & Gooding</i>	
	Rudder „	<i>„ 4½x1¾</i>	<i>Servethorpe</i>	
RUDDER—A x D		<i>14x25</i>	✓	
Speed of Vessel		✓		
RUDDER mainpiece at head ...		<i>2½" diam</i>		
„ „ „ heel ...		<i>2½</i>		
„ how constructed	<i>forged & built</i>			
„ double or single plate	<i>Single 7/8</i>	✓		
„ coupling, vertical or horizontal	<i>no coupling</i>			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).			
	<i>Applying Steel Co Ltd, Servethorpe</i> <i>Cousett Iron Co Ltd, Cousett</i>			
	Has the Steel been tested as required by the Rules? <i>yes</i>			

		CHAIN CABLES.								HAWSERS AND WARPS.												
Number of cable.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Descrip- tion.	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.		Fathoms.	Ins.	Tons.	Fathoms.	Ins.
					Owts.	qrs.	lbs.															
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
															HAWSERS & WARPS }							
															"							
		Cir.								Cir.					"							
															"							

Builder's Signature

J. 8. WATSON (GAINSBOROUGH) LTD

W S Hahn
Governing Director

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel ☒ (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo ☒ 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 dated 5/11, 18/11, 30/11 and 14/12/36 and in conformity with the Rules for the class contemplated:

The materials and workmanship employed during the construction are of good quality.

The bulkheads, shell, deck and upper side plating were tested by a hose and found satisfactory.

Five 4" band pumps tried and found in good working order.

Hopper door (+ in number) tried under working conditions afloat and found satisfactory —

and found satisfactory.
A cylindrical oil fuel tank in machinery space (9'-0" x 3'-6" diam. x $\frac{3}{16}$ thick)
water tested in accordance with the Rules. ✓

Forging report of steam frame attached

The amount of Entry Fee £ 2 : 0 : 0

Special Survey Fee.... £ 20 : 0 : 0

Travelling Expenses, if any £ 1 . 5 : 4 June 14 1937

State whether the Vessel has been built under Special Survey

Certificate ~~to be~~ sent to

Date of issue

TUE 18 JUL 1987

+ A - Kopper Barge
for River Service

+ Linc 6.37

Note L.O.A.

write ~~the~~ ~~the~~ Lrd
" ~~the~~

I am of opinion the Vessel should be Classed **✠ A - "Dapper Boy"**
for river service

Signature

Surveyor to Lloyd's Register of Shipping.

007626-007638-0106212

