

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office 28 FEB 1935

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 *27th February 1935* Port of *BRISTOL*

Survey held at *BRISTOL*

Date First Survey *20th October, 1934* Last Survey *27th February 1935*

On the *(State if Machinery fitted Aft and* *SINGLE SCREW MOTOR BARGE SEVERN INDUSTRY (Machinery Aft)*

State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* *Raised Quarter Deck.* State Type of Erections

TONNAGE under Tonnage Deck... *100.79*

CLASS *100A - FIRE SERVICE IN THE BRISTOL CHANNEL, LIMITING PORT SEAWARD SHANGHAI* State if with freeboard as condition of Class *No*

Built at *Bristol*

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) *89' 0"*

Launched *12. 12. 34* Yard No. *215*

Total

Breadth (greatest moulded) *19' 6"*

Builders *Messrs. Chas. Hull & Sons Ltd.*

Gross Tonnage *122.23*

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *8' 0"*

Owners *Severn & Canal Carrying Co. Ltd.*

Register Tonnage *82.98*

1st Longitudinal Number (L x D) = *712*

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

2nd Numerical L x (B + D) = *2447.5*

Residence

REGISTERED DIMENSIONS.

Length *89' 0"*

Framing Depth "d," at middle of length. See Sec. 3 (1d) *7' 4 1/2"*

Port of Registry *Bristol*

Breadth *19' 6"*

Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.12*

Surveyed while building float, on dry dock

Depth *8' 0"*

Do. Long Bridge to top of keel

Draught Moulded *7' 0 5/8"*

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	18"		Bracket Floors, Frame	✓	
" " from 3/4 length to Collision bulkhead	18"		" " Reversed Frame	✓	
" " in peaks	16"		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	✓	
Frame Amidships, Angle, α or β	3 1/2 x 2 1/2 x 26		" " top Angles	✓	
" " Extends up to	upper deck		" " 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	3 1/2		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, α or β	✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	✓	
" " Second 'tween Decks, Angle, α or β	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	✓	
Framing in Peaks, Angle	3 1/2 x 2 1/2 x 26		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 - 4 3/4 spacing		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	✓	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	15 x 25 stamp plate, in F.A. plate		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?	✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	7 x 3 x 3 x 40		Uppermost Continuous Deck, amidships in Wells, Angle, α or β	30 flange plate	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, α or β	4 x 3 x 30	
Middle Line Keelson, on Floors, Angles	3 1/2 x 3 x 32		Spacing	18"	
" " " " Through Plate or Intercostal Plate	18		Second Deck, amidships, Angle, α or β	✓	
" " " " Foundation Plate on Floors	✓		Spacing		
" " " " Flat Plate Keel Angles	none		Third Deck, amidships, Angle, α or β	✓	
Side Keelsons, No. each side	none		Spacing		
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, α or β	✓	
" " Angles	5 x 3 x 40		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, α or β	3 x 2 1/2 x 28	
Solid Floors, thickness and spacing	✓		Spacing	16"	
" " Are Frame and Reversed Frame joggled?	✓		Bridge Deck, Angle, α or β		
Bracket Floors, breadth and thickness at middle line	✓		Spacing		
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, α or β	3 1/2 x 2 1/2 x 26	
			Spacing	16"	

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.....	✓		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 <i>33 x 32</i>	✓		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck. (R.Q.D.)		
„ Angle in Wells <i>3 x 3 x 32</i>	✓		Stringer Plate, breadth and thickness <i>33 x 25</i>	✓	
Thickness of Plating abreast Deck openings in way of Wells	✓		Plating, Sheathing, material and thickness <i>6 x 2 1/2 pp</i>	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings... <i>4 x 2 1/2</i>	✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ..	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		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.			
	AMIDSHIPS.		FORWARD.	AFT.		RIVETS.		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	Diam.	Spacing cr. to cr.	RIVETS.
FLAT PLATE KEEL	<i>45</i>	<i>32</i>	<i>30</i>	<i>30</i>		<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>2</i>
„ DBLG. (if any)									
BOTTOM PLATING, No. of Strakes	<i>52 1/4</i>	<i>25</i>	<i>25</i>	<i>25</i>		-	-	-	-
BILGE PLATING, No. of Strakes	<i>40 1/2</i>	-	-	-		-	-	-	-
SIDE PLATING, No. of Strakes	<i>43 1/2</i>	-	-	-		-	-	-	-
UPPER DECK, Sheer-strake in Wells.....	<i>36</i>	<i>32</i>	<i>28</i>	<i>25</i>		-	-	-	<i>Shapped</i>
UPPER DECK, Sheer-strake in Bridge ...		✓							
STRAKE BELOW Sheer-strake in Wells.....		✓							
STRAKE BELOW Sheer-strake in Bridge ...		✓							
<i>R.Q.D.</i> POOP SIDE PLATING	<i>38</i>			<i>25</i>		-	-	-	<i>1</i>
BRIDGE SIDE PLATING ...		✓							
FOREC'TLE SIDE PLATING	<i>38</i>		<i>25</i>			-	-	-	<i>1</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	<i>3</i>
„ Deck next below	✓
As per Rule	<i>3</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	<i>Angle</i>	<i>5 x 5 x 50</i>	<i>MASS HALL</i>	
STERN FRAME { Propeller Post	<i>Forging</i>	<i>5 x 1 3/4</i>	<i>N. SHIELD</i>	
{ Rudder „		<i>4 3/4 x 1 1/4</i>		
RUDDER—A x D				
Speed of Vessel				
RUDDER mainpiece at head ...	<i>Roller</i>	<i>20 1/4</i>		
„ „ heel ...		<i>2</i>		
„ how constructed		<i>Shaped fork arms secured in plate and welded to fork</i>		
„ double or single plate ...		<i>single plate 74</i>		
„ coupling, vertical or horizontal		<i>No coupling</i>		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper two decks	<i>30-28</i>	<i>4 x 3 x 38</i>	<i>24</i>	<i>Welded for 5 bulkhead</i>	
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	✓				
COLLISION „ (in Hold)	<i>32-28</i>	<i>4 1/2 x 3 3/4</i>	<i>24</i>	<i>Welded for 5 bulkhead</i>	
AFTER PEAK „ „	<i>30-28</i>	<i>4 x 3 x 38</i>	<i>21</i>	<i>5</i>	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Heath British Lloyds Register</i>
	Has the Steel been tested as required by the Rules? <i>Yes</i>

The bronze consent has been obtained to the wedding of the shell plating on the Krummke line aft & fore.

- ✓ Steel Arrangement.
- ✓ Midship Section.
- ✓ Stern shaft & Stern Tube.
- ✓ Pumping arrangements.
- ✓ Method of Welding b. Keelson Intercostals.
- ✓ Details of drain holes in floor.

1st Bower Cast Steel Androm Head 2 cut - 2 gr - 260 J D 7/6/34
2nd " " " " " " " " " " " "
3rd " " " " " " " " " " "

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *The Acad. Street*

Official No. 163857 : Signal Letters 20 Is bottom of Vessel coated with cement No if not give particulars of composition Bitumastic solution & enamel
Ownership see C. Hill No 207 Seven Transport (Reeds only)

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	/		Fore peak tank,	10'-1"	25.7
Double bottom, under Engines and Boilers,	/		After peak tank,	7'-1"	13.5
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.

Date. *18th Oct. 1934.*

Dates of Surveys

1934

Oct. 20, 27. Nov. 2, 5, 6, 7, 10, 13, 21, 27, 28, 30

Dec. 6, 8, 10, 12, 14, 17, 18, 27, 28, 29. Feb. 13, 27

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Total No. of Visits **24.**

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