

STEEL STEAMER or MOTORSHIP.

Received at London Office AUG - 5 1940

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

Port of

No.

Survey held at *Beverley and Hull.*

Date First Survey

21st July 1939.

Last Survey

19th July

1940.

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

STEEL SINGLE SCREW A/S TRAWLER "ST ZENO".

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

*Full Scantling*State Type of Erections *R.Q. deck.*

TONNAGE under Tonnage Deck.

*498.62*CLASS ** 100 A.1.*

State if with freeboard as condition of Class

*No.*Built at *Beverley.*

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)

FEET.

*175'*Launched *12th Feb 1940* Yard No. *655*

Total

498.62

Breadth (greatest moulded)

B

*30'*Builders *Messrs Cook, Welton & Gemmell Ltd*

Gross Tonnage

607.69

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

D

*16'*Owners *The Fifth Steam Trawling Co. Ltd*

Register Tonnage

206.60

1st Longitudinal Number (L x D)

*2800*Managers *(Requisitioned by the Admiralty).*

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

2nd Numeral L x (B + D)

*8050*Residence *London.*

REGISTERED DIMENSIONS.

FEET.

Length

178.15

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

14.41

Breadth

30.05

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

*10.94*Port of Registry *Hull*

Depth

15.20

Draught Moulded

✓

If surveyed while building, afloat, or in dry dock

During construction

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>21</i> ✓		Bracket Floors, Frame		
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	<i>17</i> ✓		" " Reversed Frame		
" " in peaks	<i>17</i> ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <i>E</i> or <i>F</i>	<i>5 1/2 3 38</i> ✓		" " top Angles		
" " Extends up to	<i>deck</i> ✓		" " bottom Angles		
Reversed Frame Amidships, Angle	<i>3 3 38</i> ✓		Side Girders, No. each side and thickness		
" " Extends up to	<i>cross floors</i> ✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>5 1/2</i> ✓		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C</i> or <i>F</i>			Bracket abaft $\frac{1}{2}$ len. from stem		
" " Second 'tween Decks, Angle, <i>C</i> or <i>F</i>			" " Vertical Angle to Tank side		
" " Third " " " "			Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem			Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
" " in Peaks, Angle or <i>C</i>	<i>5 1/2 3 38</i> ✓		" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 - 5/4</i> ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	<i>No.</i> ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>No.</i> ✓		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?	<i>No.</i> ✓		Thickness of remainder in Holds		
SINGLE 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	<i>19 x 40</i> ✓		BEAMS.		
" " IN ENGINE ROOM	<i>50</i> ✓		Uppermost Continuous Deck, amidships	<i>7 3 46</i> ✓	
Height of Brackets at side above base line at toe of frame	<i>14 1/2</i> ✓		" " in Way of Bridge, Angle, <i>E</i> or <i>F</i>	<i>7 3 42</i> ✓	
Middle Line Keelson, on Floors, Angle, <i>C</i> or <i>F</i>	<i>15 x 4 x 4 x 40</i> ✓		Spacing	<i>ALT. FRAMES.</i> ✓	
" " Through Plate or Intercoastal Plate	<i>✓</i>		R.Q.		
" " Foundation Plate on Floors	<i>✓</i>		Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>7 3 42</i> ✓	
" " Flat Plate Keel Angles	<i>✓</i>		Spacing	<i>ALT. FRAMES.</i> ✓	
Side Keelsons, No. each side	<i>One</i> ✓		MESS		
" " thickness of Intercoastal Plate	<i>✓</i>		Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>5 3 34</i> ✓	
" " Angle	<i>6 4 48</i> ✓		Spacing	<i>42" AS APPD.</i> ✓	
" " IN BOILER ROOM	<i>6 4 52</i> ✓		Fourth Deck, amidships, Angle, <i>C</i> or <i>F</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Poop Deck, Angle, <i>C</i> or <i>F</i>		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, <i>C</i> or <i>F</i>		
" " breadth and thickness at margin plate			Spacing		
			Forecastle Deck, Angle, <i>E</i> or <i>F</i>	<i>5 3 40</i> ✓	
			Spacing	<i>30"</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.....	One. ✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
FORWARD.			Thickness of Plating abreast Deck openings in way of Wells	38 ✓	
" in 'tween Decks, Size and Spacing.....	3" DIA - 5'8" ← See plan		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" " " " " " ✓	✓		Thickness of Plating within line of openings... ✓	31 ✓	
" " " " " " ✓	✓		If Sheathed, material and thickness	3" P. PINE IN WAY OF ACC. ✓	
" " " " " " ✓	✓		MESS Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....	18 x 25" ✓	
Stiffeners and Spacing.....	✓		If Plated , state thickness.....	TIES 9 x 25" ✓	
Plating, thickness of	✓		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	38 x 40 ✓		Poop Deck.		
" " " " " in way of Bridge	✓		Stringer Plate, breadth and thickness		
" Angle in Wells	3 1/2 3 x 40 ✓		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Wells	TIES 12" x 40 ✓		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Stringer Plate, breadth and thickness.....		
Thickness of Plating within line of openings... ✓	40 ✓		Plating, Sheathing, material and thickness ...		
If Sheathed, material and thickness	5" x 3" PITCH PINE. ✓		Forecastle Deck.		
R-A Second Deck.			Stringer Plate, breadth and thickness.....	43" - 19" x 31 ✓	
Stringer Plate, breadth and thickness in Wells...	72 x 34. ✓		Plating, Sheathing, material and thickness ...	31 ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No. ✓			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	
GARBOARD.	36 ✓	.52 ✓	.46 ✓	.46 ✓		Double ✓	3/4	5 R pr.F.S.p. ✓	3-2 ✓	3/4	2 7/8 ✓	Strapped	
Flat Plate Keel	✓	✓				✓			✓				
" DBLG. (if any)	✓	✓				✓			✓				
BOTTOM PLATING, No. of Strakes ... 2	A 60 ✓	.44 ✓	.50 ✓	.40 ✓	FOR ^d .40. ✓	Double ✓	3/4	5 R pr.F.S.p. ✓	3-2 ✓	3/4	2 7/8 ✓	Lapped	
BILGE PLATING, No. of Strakes 1	B 56 ✓	.44 ✓	.50 ✓	.40 ✓	FOR ^d .40 ✓	" ✓	"	" ✓	" ✓	"	"	"	
SIDE PLATING, No. of Strakes 1	C 58 ✓	.44 ✓	.40 ✓	.40 ✓		" ✓	"	" ✓	" ✓	"	"	Strapped	
UPPER DECK, Sheer-strake in Wells.....	D 60 ✓	.44 ✓	.40 ✓	.40 ✓		" ✓	"	" ✓	" ✓	"	"	"	
UPPER DECK, Sheer-strake in Bridge ...)	E 48 ✓	.625 ✓	.50 ✓	.50 ✓		" ✓	7/8	" ✓	3-2 ✓	7/8	3/8 ✓	Strapped	
STRAKE BELOW Sheer-strake in Wells.....)	✓	✓											
STRAKE BELOW Sheer-strake in Bridge ...)	✓	✓											
POOF SIDE PLATING	✓	✓											
BRIDGE SIDE PLATING ...	✓	✓											
FOREC'TLE SIDE PLATING			-31 ✓										

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)	4 ✓								
„ Deck next below	2								
As per Rule	4.								

		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
Plating Thickness.		Scantlings.	Spacing.	Scantlings.	Spacing.
ON FRAMES					
MIDSHIP BULK'HD.	Upper two decks	4 1/2 x 30	7 x 3 x 34 1/2	30	✓
„	Second	✓	✓		✓
„	Third	✓	✓		✓
„	Holds	✓	✓		✓
COLLISION					
„	(in Hold)	99 x 4 1/2 x 30	4 x 3 x 30 1/2	24	✓
AFTER PEAK					
„	„	102 x 4 1/2 x 38	5 x 3 x 36 1/2	24	✓
„	„	183 x 2 1/2 x 38	3 x 2 1/2 x 34 1/2	30	✓

		Casting or Forging.		Scantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.	
KEEL, Bar	rolled	8" x 2"	Hopkely.						
STEM	"	8" x 2"	Godfrayham S. Co.						
STERN FRAME	Propeller Post	4 x 6	J. A. Foster & Son						
	Rudder	7 x 6	Sunderland						
Speed of Vessel		12 3/4 knots	✓						
RUDDER—Type		HYOROGAP PATENT.	✓						
„	A x D		✓						
„	Diam. of head	7 1/2" DIA.	✓						
„	Mainpiece at top pintle	4 x 6	10 1/2"	✓					
„	heel		10 1/2"	✓					
„	how constructed		4 x 6 frame & side plates	✓					
„	double or single plate		36	✓					
„	coupling, vertical or horizontal		Vertical	✓					

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

SECTIONS:- Dorman Long H.S. hd. South Durham S. + I. hd. Cargo Reef I. Colld. Mps. 4 - Geo. S. Leds.

Has the Steel been tested as required by the Rules?

EQUIPMENT No. 8050 ✓												LETTER "X" ✓		ANCHORS.		
Number of Certificate.	Anchors.	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.				
52776	1st Bower ...	13	0	18	Stockless	14	17	0	21		13	✓	Buckins type	Not stated	Cheth 11-3-40 I.C. Paul	
52777	2nd " ...	12	0	14	"	13	19	2	21		12	✓	" "	" "	" "	
	3rd " ...				✓						25	✓				
	Collective weight.	25	1	4	✓											
52746	KEDGE	4	2	22	1	0	21	7	2	2	0		4 1/2 Bc stock	Rodgers Ingot W.T.	Not stated	Cheth 11-3-40 I.C. Paul
ANCHORS AND WARPS																

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.		Description.	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.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
60541.	150 3/4	1 9/16	31	46 1/2	13 1/2	3	6	132 1/2	150	1 9/16	Stud B. Huggley	Bradley Heath	TOWLINE...	30-6"		MANILA FITTED WITH 35 FMS 2 1/2 S.W.R. EACH END.			
										Link	Sms.	16-4-40. I.C. Paul	HAWSERS & WARPS	150	1 1/2	SWR.	60	6	
														100	2"	-			
														50	1 1/4	-	60	6	
													"	120	4"	COIR.			
													"	ALL SUPPLIED BY ADMIRALTY.			OR COMBINATION WIRES.		
KEDGE Iron-Drawn Chain- Steel Wire	150	2 1/2	sw.R.	Supplied by Admiralty															

Steering Gear, Type (Power or hand) *Steam Steering Gear-Darwin* Alternative Means of Steering *Hand gear-Darwin & Co. Ltd.*

Steering Chains (Size and Test) *1 1/16 DIA - 13 1/2 TONS.* Windlass *Steam Gummell & Hawks.* Boats *1-22 ft. lifeboat.*

Ceiling in Holds, thickness and material *2 1/2" pitch pine floor* Cargo Battens, thickness, material and spacing *2" pitch pine - close lined.*

Cargo Hatchways.-(Upper Deck) Thickness of Hatches

Size of Hatchways No. 1 (Fwd.) No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters

000K, WELTON & GUMMELL, LTD.

Builder's Signature *[Signature]* Secretary & Director *[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *No.*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No.* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans, the Secretary's letters and in conformity with the Rules for the class contemplated.

Whilst fitting out the vessel was taken over by the Admiralty & alterations have been carried out to enable her to carry out A's duties.

The completion of the vessel was carried out in collaboration with the W.P.S., Humber Area (See letter M dated 5-2-40).

The materials & workmanship are good.

No freeboard has been assigned.

No double bottom tanks are fitted.

The fore & after peaks, boiler feed & ballast tanks, W.T. flat aft, C.L.O tanks, decks, casings, steering gear arrangements, windlass, hand pumps & W.T. door have been tested and found in order.

The amount of Entry Fee £ *4 : 0 : 0* Fees applied for, *17 AUG 1940*

Special Survey Fee.... £ *60 : 15 : 0* Received by me, *13th Sept 1940 R.S.S.*

Travelling Expenses, if any £ *- : 9 : 9*

I am of opinion the Vessel should be Classed ** 100 A.I.*

State whether the Vessel has been built under Special Survey *Yes.* Signature *[Signature]* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Hull.* Date of issue *20/8/40.*

Committee's Minute *TUE. 13 AUG 1940*

Character assigned *+ 100 A.I. Steam Trawler + Limb 7.40*

Lloyd's Assoc. of

Write Admiralty

72 C.L.

194 2/2

Plans showing Vessel as built should be forwarded and a List of

Midships Section.
Profile + Decks etc.
Rudder (Hydragap patent).
Gun platform support.
Lower deck beams.
Arrangement of compensation around Asdic dome.
Yoke tiller.
Arrangement of bilge + ballast piping.
Stem frame.

Stem frame: Sld Rpt. No. 2126.
Cudder frame, cudder head & tiller Sld Rpt No 2247-2249.

PARTICULARS OF ELECTRIC WELDING (if employed)

+ 100 A1 - "STEAM TRAWLER"
LLOYDS A. & C. P.

1st Bower
2nd „
3rd „

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

Official No. 167090. Signal Letters D.G. ARREST. Extreme Breadth over Belting 30.60 ft. Over-all Length 193.25 ft.
(Circ. 1611) (Circ. 1708)

No. and Material of Decks 1 DK.

brakes to stern fitted with concrete.

PARTICULARS OF WATER TANKS.		(Weils are not to be included in the lengths of the tanks.)		PARTICULARS OF WATER TANKS.	
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, BOILER FEED & BALLAST TANK NO. 1.	5-66	21
Double bottom, forward,			Other tanks, if fitted, " " " " NO. 2	5-66	21
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Date 13th July 1939.

Dates of Surveys
held while building

1939: July. 21. Aug. 3. 30. Sept. 1. 7. 12. 20. 25. Oct. 2. 2. 5. 10. 12. 18. 20.
Oct. 23. 25. 30. Nov. 9. 15. 21. 27. 29. Dec. 11. 13. 18. 21. 28.
1940:- Jan. 4. 10. 17. 17. 22. Feb. 7. 13. 21. 26. Mar. 1. 7. April 10. 24.
May. 1. 7. 22. June 12. 14. 18. 21. 27. July. 3. 16. 19.

Total No. of Visits **52.**