Rpt. 1.

STEEL STEAMER ~~or MOTORSHIP~~.

Received at London Office 25 JAN 1936

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 16th JANUARY 1936. Port of — No. 146504

Survey held at BEVERLEY AND HULL. Date First Survey 18th September 1935 Last Survey 14th JANUARY. 1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW KETCH "THORNWICK BAY"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) STEAM TRAWLER. State Type of Erections RAISED QUARTER DECK AND WHALEBACK.

TONNAGE under Tonnage Deck	383·81
Do. of space or spaces between Tonnage Dk. and Upper Dk.	✓
Total	383·81
Gross Tonnage	437·40
Register Tonnage	170·58

REGISTERED DIMENSIONS.

	FEET.
Length	155·75
Breadth	26·1
Depth	14·17

CLASS ✠ 100 A.1. STEAM TRAWLER

State if with freeboard as condition of Class No

	FEET.	
Length *from fore part of stem to after part of stern post on summer L.W.L.* ~~See Sec. 3 (1a)~~	L	155·0 ✓
Breadth *(greatest moulded)*	B	26·0 ✓
Depth, *at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)*	D	15·0 ✓
1st Longitudinal Number (L × D)	=	2325 ✓
2nd Numeral L × (B + D)	=	6355 ✓
Framing Depth "d," *at middle of length. See Sec. 3 (1d)*		✓
Proportions—*Depth to Length—Uppermost continuous deck to top of keel*		10·33 ✓
Do. Long Bridge to top of keel		✓
Draught Moulded		✓

Built at BEVERLEY.

Launched 28th NOVEMBER 1935 *Yard No.* 604

Builders COOK, WELTON & GEMMELL LTD

Owners MARINE STEAM FISHING CO. LTD

Managers ✓

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

Residence ST. ANDREWS DOCK, HULL.

Port of Registry HULL.

If surveyed while building, afloat, or in dry dock BUILDING AND AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	16" To 21"	✓
„ „ from ½ length to Collision bulkhead	16"	✓
„ „ in peaks	20" AND 16"	✓
SIDE FRAMING.		
Frame Amidships, Angle, ~~L or T~~	5 3 8/20	✓
„ „ Extends up to	DECK	✓
Reversed Frame Amidships, Angle	3 3 ·38	✓
„ „ Extends up to	WHERE NO	✓
~~**Depth of Framing Girder**~~	CONCRETE IS FITTED.	✓
Frames in Uppermost Continuous 'tween Decks, Angle, L or L		
„ „ **Second 'tween Decks,** Angle, L or L		
„ „ **Third** „ „ „ „		
Framing in Peaks, Angle or L	5 3 8/20	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5 1/4	✓
State if Frame Joggled	NO	
SHIFTING ARRANGEMENTS (Sec. 7), state system and particulars	LOWER DECK STRINGER AND BEAMS. CLOSER FRAME SPACING AND.	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	RIVETING.	✓
SINGLE BOTTOM.		
Floors, Depth and thickness at mid-line in Holds	18" × ·38	✓
Height of Brackets at side above base line at toe of frame	FLAT TOPPED.	✓
Middle Line Keelson, on Floors, ~~Angles, L or L~~ 2	8 3½ ·44	✓
„ „ „ Through Plate or Intercostal Plate		
„ „ „ Foundation Plate on Floors		
„ „ „ Flat Plate Keel Angles		
Side Keelsons, No. each side ONE.	5 4 ·46	✓
„ „ thickness of Intercostal Plate	NONE.	✓
„ „ Angles SIDE STRINGER	5 4 8/20	✓
DOUBLE BOTTOM.		
Solid Floors, thickness and spacing		
„ „ Are Frame and Reversed Frame joggled ?		
Bracket Floors, breadth and thickness at middle line		
„ „ breadth and thickness at margin plate		

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame		
„ „ Reversed Frame		
„ „ Vertical Struts		
Centre Girder, depth and thickness amidships		
„ „ top Angles		
„ „ bottom Angles		
Side Girders, No. each side and thickness		
Margin Plate depth (excl. of flange) and thickness		
„ „ Vertical Angle to Tank side Bracket abaft ¼ len. from stem		
„ „ Vertical Angle to Tank side Bracket forward ¼ len. from stem		
„ „ Gussets, spacing and scantling abaft ¼ len. from stem		
„ „ Gussets, spacing and scantling forward ¼ len. from stem		
Tank Side Brackets, height above base line at toe of Frame and thickness		
INNER BOTTOM PLATING.		
Breadth and thickness of Middle Line Strake		
Thickness of remainder in Holds		
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 ?		
BEAMS.		
Uppermost Continuous Deck, ~~amidships in Wells, Angle, L or T~~	6 3 9/20	✓
„ „ in way of Bridge, Angle, L or L	—	
Spacing	ALTERNATE FRAMES.	✓
Second Deck, amidships, Angle, L or L		
Spacing		
Third Deck, amidships, Angle, L or L		
Spacing		
Fourth Deck, amidships, Angle, L or L		
Spacing		
Poop Deck, Angle, L or L		
Spacing		
Bridge Deck, Angle, L or L		
Spacing		
WHALEBACK. ~~Forecastle~~ **Deck,** Angle, L or L	4 3 ·40	✓
Spacing	ALTERNATE FRAMES	

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PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	ONE.			
" in 'tween Decks, Size and Spacing		✓		
" " " " "		✓		
" in Holds " "	3"	DIA R.		
" " " " "		✓		
Centre Line Bulkhead. Stiffeners and Spacing				
Plating, thickness of				
STRINGERS AND DECKS. **Uppermost Continuous Deck.** Stringer Plate, breadth and thickness in Wells	31"	x	·38	
" " " " in way of Bridge		✓		
" Angle in Wells	3	3	·38	
Thickness of Plating abreast Deck openings in way of Wells (TIE A)	11"	x	·38	
Thickness of Plating abreast Deck openings in way of ~~Bridge~~ E. of B.	·38	-	·31	
Thickness of Plating within line of openings	·31-	·28-	·44-	·30
If Sheathed, material and thickness PITCH PINE		5"	x 3"	
OAK WATERWAY		14"	x 3"	
Second Deck. Stringer Plate, breadth and thickness in Wells		✓		

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
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				
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				
WHALEBACK **~~Forecastle~~ Deck.** Stringer Plate, ~~breadth and~~ thickness		·31		
PLATING ~~Plating, Sheathing, material and~~ thickness		·31		

SHELL PLATING.

SCANTLINGS.

STRAKES.	As in Vessel. Amidships. Breadth. Inches.	Amidships. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches.	Any Departure from Approved Plans to be Noted.
~~Flat Plate Keel~~ GAR A	32	·50	·50	·50	✓ 4g Rule
" ~~Dblg.~~ (~~if any~~) B	56	8/20	6/16	6/16	✓
~~Bottom Plating, No. of Strakes~~ ...1... C	54	7/16	6/16	6/16	
Bilge Plating, No. of Strakes ...1... D	52	8/20	6/16	6/16	✓
Side Plating, No. of Strakes ...1... E	56	7/16	6/16	6/16	✓
~~Upper Deck, Sheer-strake in Wells~~ F	56	8/20	6/16	6/16	✓
Upper Deck, Sheer-strake ~~in Bridge~~ G	42	10/16	7/16	7/16	✓
~~Strake below Sheer-strake in Wells~~					
~~Strake below Sheer-strake in Bridge~~					
~~Poop~~ Side Plating					
~~Bridge~~ Side Plating					
WHALEBACK ~~Forec'tle~~ Side Plating			·31		

RIVETING.

	Edges. State if joggled?	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	No. of Rows of Rivets.	Butts. Rivets. Diam. Inches.	Butts. Rivets. Spacing cr. to cr. Inches.	Butts. Strapped or Lapped.
~~Flat Plate Keel~~ GAR A	Double	3/4	3"	2 Rows ✓	3/4	2 5/8	Straps
" ~~Dblg.~~ (~~if any~~) B	"	"	↓	3 "	"	"	Laps
~~Bottom Plating, No. of Strakes~~ ...1... C	"	"	5 Rivets per Frame space.	3 "	"	"	"
Bilge Plating, No. of Strakes ...1... D	"	"		3 "	"	"	Straps
Side Plating, No. of Strakes ...1... E	"	"		3 "	"	"	"
~~Upper Deck, Sheer-strake in Wells~~ F	"	"		3 "	"	"	"
Upper Deck, Sheer-strake ~~in Bridge~~ G	"	"	↑	3 "	"	"	"
~~Strake below Sheer-strake in Wells~~							
~~Strake below Sheer-strake in Bridge~~							
~~Poop~~ Side Plating							
~~Bridge~~ Side Plating							
WHALEBACK ~~Forec'tle~~ Side Plating							

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 *c*) 4

" Deck next below ✓

As per Rule 3

	Plating Thickness.	Stiffeners. Vertical. Scantlings.	Stiffeners. Vertical. Spacing.	Stiffeners. Horizontal. Scantlings	Stiffeners. Horizontal. Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds	·38-·30	6x3x.34 T&B.	30	✓	✓
COLLISION " (in Hold)	·30	4x3x.34	24	✓	✓
AFTER PEAK " "	·38	5x3x.36	24	✓	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	ROLLED	8" x 2"	FRODINGHAM STEEL Co	
STEM	"	"	"	" "
STERN FRAME Propeller Post	FORGED SCRAP STEEL	6" x 3 3/4"	T. S. FORSTER & SONS	
STERN FRAME Rudder "	"	8" x 3 3/4"	SUNDERLAND.	
RUDDER—A×D 50 ft x 2·86 = 143.				
Speed of Vessel 12 KNOTS				
RUDDER mainpiece at head	FORGED SCRAP STEEL	6 1/2" DIA. STOCK. 6" x 6" HEAD	T. S. FORSTER & SONS	
" " heel	"	5" x 3 1/4" HEEL.	SUNDERLAND	
" how constructed	FORGED FRAME AND SIDE PLATES			
" double ~~or single~~ plate		·32 SIDE PLATES		
" 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) OPEN HEARTH PROCESS. SWINDINGROVE IRON Co, CONSETT IRON WORKS, DORMAN LONG & Co, APPLEBY FRODINGHAM STEEL Co, CARGO FLEET IRON Co LTD

Has the Steel been tested as required by the Rules? Yes

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EQUIPMENT No. 6355 LETTER S.

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
94675	1st Bower ...	9	0	12	NONE			11	4	2	21	9¼	DREADNOUGHT STOCKLESS	S. TAYLOR & SONS	NETHERTON 9-11-35 J.A. REID
94676	2nd „ ...	9	2	2	NONE			11	13	1	21	8¾	" "	"	" 9-11-35 "
"	~~3rd~~ „ ...		"		"				"			"			
	Collective weight.	18	2	14								18			
94652	Stream	3	3	0	1	0	2	6	3	0	14	3¾	RODGERS IRON STOCK	"	" 2-11-35 "

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length.	Diam.	Test per Certificate. Statutory.	Breaking.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length.	Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
	Fathoms.	Ins.	Tons.	Tons.			Fathoms.	Ins.			
101782	15	1 3/16	25 3/8	38	11-0-3				STUD LINK	NOT GIVEN.	NETHERTON 30-10-35 J.H. REID.
101783	"	"	"	"	10-3-13				" "	" "	" " "
101784	"	"	"	"	10-3-13				" "	" "	" " "
101785	"	"	"	"	10-3-20				" "	" "	" " "
101786	"	"	"	"	10-3-19				" "	" "	" " "
101787	"	"	"	"	10-3-6	97 3/4	135	1 3/16	" "	" "	" " "
101788	"	~~Cir.~~	"	"	10-3-18			~~Cir.~~	" "	" "	" " "
101789	"	"	"	"	10-3-20				" "	" "	" " "
101790 Iron Stream ~~Chain or~~ Steel Wire	"	"	"	"	10-3-13				" "	" "	" " "
	135 Fms				98-0-13.						

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms.	Cir. Ins.
TOWLINE...	~	~	~	~	~
HAWSERS & WARPS	60	4"	~	60	6"
"	60	4"		60	5½"
"	~	~	~	~	~
"	COMBINATION		WIRE ROPES.		

Steering Gear, Steam BY DONKIN & Co. LTD NEWCASTLE-on-TYNE No 6296 **Steering Gear, Hand** TILLER

Boats 1 WOOD CUTTER **Steering Chains,** Size and Test 15/16 DIAS AND 10½ TONS TEST. **Windlass** BY GEMMELL & FROW. HULL.

Ceiling in Holds, thickness and material 3" OAK AND 2½ PITCH PINE. **Cargo Battens,** thickness, material ~~and spacing~~ 2" PITCH PINE CLOSE LINED. 5" CORK BETWEEN FRAMES.

Cargo Hatchways.—(Upper Deck) STEEL PLATES AND ANGLES. **Thickness of Hatches** 3"

Size of **No. 1 Hatchway** (Forward) TO STORE 3'6" x 3'6" **No. 2** 4'0" x 4'0" **No. 3** 5'3" x 4'0" **No. 4** 4'6" x 4'0" **No. 5** 5'3" x 4'0" **No. 6** ~

Number of **Shifting Beams** and/or **Fore** and **Afters** NONE.

COOK, WELTON & GEMMELL, LTD.

Builder's Signature Secretary & Director

GENERAL DECLARATION. *It should be stated (a) whether the vessel 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.*

This trawler has been built in accordance with the approved plans and Society's Rules. The workmanship and materials appear to be satisfactory. The fore and after peaks, the watertight flat aft, the cod line recess space in cruiser stern, decks and gutterways, casings and hand pumps and W.T. door tested. The vessel is fitted with cruiser stern. The approved plans are:- Midship section, profile and deck, stern frame and rudder, and pumping arrangements. The vessel has been supplied with two 60 fathoms of 4" Arcium combination wire ropes instead of the 6" and 5½" hemp ropes. (Desired by Owners.)

The amount of Entry Fee ..... £ 3:0:0 Fees applied for, 24 JAN 1936

Special Survey Fee.... £ 43:14:0 Received by me, 11-2 1936 12/2

Travelling Expenses, if any £ : 8:7

I am of opinion the Vessel should be Classed ✠ 100 A.1. STEAM TRAWLER.

State whether the Vessel has been built under Special Survey YES.

Certificate to be sent to HULL. Date of issue 24/2/36

Signature W.E. Engledow

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 31 JAN 1936

Character assigned + 100 A1 Steam Trawler Lloyd's A & C.

+ Lmc 1.36 C.L. Rmrk

The Surveyors are requested not to write on or below the Committee's Minute.

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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.*)

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 ✓ ft., R.Q.D. 84·5 ft., Bridge ✓ ft., ~~Forecastle~~ Hurricane 29·6 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*) 1 D^K

Official No. ; Signal Letters Is bottom of Vessel coated with cement Yes if not give particulars of composition Bitumastic above bottom cement.

PARTICULARS OF WATER BALLAST.—

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 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. 3080

Date 30th September 1935.

Dates of Surveys held while building: 1935:- Sept 18·Oct. 1·7·11·16·21·28·Nov. 1·5·8·12·13·18·22·27·29·Dec 3·6·9·16·19·20·24·
1936:- Jan 2·6·8·10·13·14·

Total No. of Visits 29.

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