

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office 9 APR 1934

State if Report has been sent on the Freeboard of the Vessel NOState if Report is sent on the Machinery of the Vessel YES

Date of completion of report

31st March 1934.

Port of

HULL

No. 44612.

Survey held at

BEVERLEY AND HULL.

Date First Survey

4th Dec. 1933.

Last Survey

31st March,

1934.

On the

(State if Machinery Fitted Aft and
if Single, Twin or Triple Screw)

SINGLE SCREW KETCH

BRONTES

State Type

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

STEAM TRAWLER

State Type of Erections

QUARTER DECK
AND WHARFAGE.TONNAGE under
Tonnage Deck...

372.39

CLASS

100A1
STEAM TRAWLERState if with freeboard
as condition of Class

NO

Built at

BEVERLEY

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

Total

372.39

Gross Tonnage

423.83

Register Tonnage

159.02

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (10)

L 154.0

Breadth (greatest moulded)

B 25.5

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (10)

D 14.75

1st Longitudinal Number (L x D)

= 2271.5

2nd Numeral L x (B + D)

= 6198.5

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

10.44

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

10.44

Do. Long Bridge to top
of keel

10.44

Draught Moulded

10.44

Launched

3rd March 1934

Yard No. 590

Builders

COOK, WELTON & GEMMELL LTD

Owners

HENRIKSEN & CO LTD

Managers

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

Residence ST ANDREW'S DOCK, HULL.

Port of Registry

HULL

If surveyed while building, afloat, or in dry dock

BUILDING AND AFLOAT.

REGISTERED DIMENSIONS.
FEET.

Length

154.6

Breadth

25.6

Depth

13.9

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	16 to 21	/	Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	16	/	" " Reversed Frame		
" " in peaks	20 and 16	/	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle 5 3 9/10	5 3 9/10	/	" " top Angles		
" " Extends up to DECK	DECK	/	" " bottom Angles		
Reversed Frame Amidships, Angle 3 3 38	3 3 38	/	Side Girders, No. each side and thickness		
" " Extends up to Where No	Where No	/	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder CONCRETE IS FITTED.	CONCRETE IS FITTED.	/	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous tween Decks, Angle, [or [/	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem		
" " Second tween Decks, Angle, [or [/	" " 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 5 3 9/10	5 3 9/10	/	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4 5 1/4	/	INNER BOTTOM PLATING.		
State if Frame Joggled	NO	/	Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	LOWER DECK STRINGER AND BEAMS, CLOSE FRAME SPACING AND RIVETING.	/	Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FOR- WARD. 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	18 x 38	/	Uppermost Continuous Deck, amidships in Wells, Angle, [or [6 3 9/10	/
Height of Brackets at side above base line at toe of frame	FLAT TOPPED.	/	" " in way of Bridge, Angle, [or [/
Middle Line Keelson, on Floors, Angle, [or [15.4.4.8	/	Spacing	ALTERNATE FRAMES.	/
" " Through Plate or Intercostal Plate		/	Second Deck, amidships, Angle, [or [/
" " Foundation Plate on Floors		/	Spacing		/
Flat Plate Keel Angles		/	Third Deck, amidships, Angle, [or [/
Side Keelsons, No. each side ONE	5 4 46	/	Spacing		/
" " thickness of Intercostal Plate	NONE.	/	Fourth Deck, amidships, Angle, [or [/
" " Angles	2 SIDE STRINGERS 5 4 8/10	/	Spacing		/
DOUBLE BOTTOM.			Poop Deck, Angle, [or [/
Solid Floors, thickness and spacing		/	Spacing		/
" " Are Frame and Reversed Frame joggled?		/	Bridge Deck, Angle, [or [/
Bracket Floors, breadth and thickness at middle line		/	Spacing		/
" " breadth and thickness at margin plate		/	Wharfedale Forecastle Deck, Angle, [or [4 3 40	/
		/	Spacing	30	/

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..... <i>ONE</i>				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 , Stiffeners and Spacing.....				Third Deck , Stringer Plate, breadth and thickness.....			
Plating, thickness of				If Plated, state thickness.....			
STRINGERS AND DECKS , Uppermost Continuous Deck , Stringer Plate, breadth and thickness in Wells	<i>30</i>	<i>.38</i>		Fourth Deck , Stringer Plate, breadth and thickness.....			
" " " " in way of Bridge				If Plated, state thickness			
" Angle in Wells	<i>3</i>	<i>3 3/8</i>		Roop Deck , Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	<i>11</i>	<i>.38</i>		Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge	<i>31</i>	<i>.38</i>		Bridge Deck , Stringer Plate, breadth and thickness.....			
Thickness of Plating within line of openings...	<i>44</i>	<i>31</i>	<i>34</i>	Plating, Sheathing, material and thickness ...			
If Sheathed, material and thickness	<i>3" Pitch Pine</i>			Forecastle Deck , Stringer Plate, breadth and thickness.....	<i>.31</i>		
Second Deck , Stringer Plate, breadth and thickness in Wells...				Plating, Sheathing, material and thickness ...	<i>.31</i>		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR 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	<i>32</i>	<i>8 1/4</i>	<i>8 1/4</i>	<i>8 1/4</i>		<i>DOUBLE</i>	<i>3/4</i>	<i>3</i>	<i>2 Rows</i>	<i>3/4</i>	<i>2 5/8</i>	<i>STRAPS</i>
" DECK (if any)	<i>B 54</i>	<i>8/20</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			<i>LAPS</i>
BOTTOM PLATING , No. of Strakes	<i>C 53</i>	<i>7/16</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			
BILGE PLATING , No. of Strakes	<i>D 52 1/2</i>	<i>8/20</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			<i>STRAPS</i>
SIDE PLATING , No. of Strakes	<i>E 54</i>	<i>7/16</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			<i>LAPS</i>
UPPER DECK , Sheer-strake in Wells.....	<i>F 56</i>	<i>8/20</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			
UPPER DECK , Sheer-strake in Bridge	<i>G 42</i>	<i>10/16</i>	<i>7/16</i>	<i>7/16</i>					<i>3</i>			<i>STRAPS</i>
STRAKE BELOW SHEER - strake in Wells.....												
STRAKE BELOW SHEER - strake in Bridge												
DECK SIDE PLATING												
BRIDGE SIDE PLATING ...												
WATERWAY FOR THE SIDE PLATING				<i>.31</i>								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	<i>4</i>
" Deck next below	<i>1</i>
As per Rule	<i>3</i>

STIFFENERS.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD , Upper tween decks					
" " Second "					
" " Third "					
" " Holds		<i>42</i>	<i>28</i>	<i>6 3/4</i>	<i>32</i>
COLLISION " (in Hold)		<i>38</i>	<i>30</i>	<i>6 3/4</i>	<i>32</i>
AFTER PEAK "		<i>50</i>	<i>30</i>	<i>26</i>	<i>4 3/4</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL , Bar	<i>ROLLED</i>	<i>8 x 2</i>	<i>FRODINGHAM STEEL CO.</i>	
STEM				
STERN FRAME { Propeller Post	<i>FORGED</i>	<i>6 x 3 3/4</i>	<i>T. S. FORSTER & SONS</i>	
{ Rudder "	"	"	<i>SUNDERLAND.</i>	
RUDDER —A x D			<i>OERTZ PATENT RUDDER</i>	
Speed of Vessel				
RUDDER mainpiece at head	<i>FORGED</i>	<i>6 1/2 DIA</i>	<i>T. S. FORSTER & SONS</i>	
" " heel			<i>SUNDERLAND.</i>	
" how constructed			<i>PLATES AND ANGLES AS PER APPROVED PLAN</i>	
" double or single plate			<i>40 SIDE PLATES</i>	
" coupling, vertical or horizontal			<i>HORIZONTAL.</i>	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>OPEN HEARTH PROCESS.</i> <i>FRODINGHAM STEEL CO., CONSETT/ROSC, SKINNINGROVE STEEL CO., CARSCO FLEET STEEL CO., APPELEY STEEL CO., SOUTH DURHAM STEEL CO.</i>
	Has the Steel been tested as required by the Rules? <i>Yes.</i>

EQUIPMENT No. 6198.5										LETTER A	ANCHORS.				
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
93417	1st Bower ...	Cwts. 9	qrs. 0	lbs. 6	Cwts. NONE	qrs.	lbs.	Tons. 11	cwts. 4	qrs. 2	lbs. 21	Cwts. 9 8 1/2	DREADNOUGHT TYPE	SAMUEL TAYLOR	NETHERTON 19-2-34 H. GREEN
93420	2nd ,, ...	8	2	14	(NONE			10	15	0	0	8 1/2 8 1/4	" "	" "	" 19-2-34 " "
	3rd ,, ...														
	Collective weight.	17	2	20								17 1/2			
93425	Stream	3	3	4	0	3	22	6	5	1	7	3 1/2	RODGERS / ROD STOCK	" "	" 20-2-34 " "

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.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
98500	15	1 3/16	25 3/8	38	11	0	9			STEEL WIRE NAME NOT GIVEN	NETHERTON	26-2-34	TOWLINE	-	-	-	-	-	
98501	15	"	"	"	10	3	25			"	"	"	"	60	4"	-	60	6"	
98502	15	"	"	"	10	3	25			"	"	"	"	60	4"	-	60	5 1/2"	
98503	15	"	"	"	10	3	23			"	"	"	"	60	4"	-	60	5 1/2"	
98504	15	"	"	"	10	3	20	87.0	120	1 3/16	"	"	"	60	4"	-	60	5 1/2"	
98505	15	"	"	"	10	3	24			"	"	"	"	60	4"	-	60	5 1/2"	
98506	15	"	"	"	10	3	24			"	"	"	"	60	4"	-	60	5 1/2"	
98507	15	"	"	"	11	0	17			"	"	"	"	60	4"	-	60	5 1/2"	

Steering Gear, Steam *BY GEMMELL & FROW, HULL.* Steering Gear, Hand *TILLER*

Boats *1 WOOD CUTTER* Steering Chains, Size and Test *7/16 DIA. AND 9 1/2 TONS TEST.* Windlass *BY GEMMELL & FROW, HULL.*

Ceiling in Holds, thickness and material *9x2 1/2 PITCH PINE AND 9x3 OAK.* Cargo Battens, thickness, material and spacing *9x2 PITCH PINE CLOSE LINED*

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

Size of No. 1 Hatchway (Forward) *2'5" x 3'4"* No. 2 *2'10" x 3'4"* No. 3 *3'7" x 3'4"* No. 4 *3'6" x 3'4"* No. 5 *3'5" x 3'4"* No. 6 *-*

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

Builder's Signature *Aspiral* *DOOK, WELTON & GEMMELL, LTD.*

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 peak tanks, cod liner oil tank, the watertight flat aft, decks and guttersways, casings and hand pumps have been tested. The vessel is fitted with a cruiser stern and Certy Rudder. The approved plans are:—Midship section, profile and deck, stern frame and Certy Rudder and pumping arrangement. The vessel has been supplied with two 60 fathoms of 4" Cruis. combination wire ropes instead of the 6" and 5 1/2" hemp ropes as desired by the Owners.

This trawler is a sister vessel to the "ARAB" HULL REPORT N° 44137

The amount of Entry Fee £ *3 : 0 : 0* Fees applied for, *7 APR 1934*

Special Survey Fee.... £ *42. 8 : 0* Received by me, *12.6. 1934*

Travelling Expenses, if any £ *7 : 6*

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

State whether the Vessel has been built under Special Survey *YES.* Signature *W. E. Engledow* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *HULL.* Date of issue *13/6/34*

Committee's Minute *APR. 13 APR 1934*

Character assigned *+ 100A1 Steam Trawler* *WED. 23 MAY 1934*

Lloyd's arch + amb. 3. 34

The Surveyor does not warrant the correctness of the particulars entered in this Certificate, but only that they are as stated by the vessel's owner.

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 26.0 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)

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,	<u>8.0</u>	<u>9.0</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>8.33</u>	<u>6.0</u>
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, COD LIVER OILTANK AFT	<u>6.66</u>	<u>1700 GALLONS</u>
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. 3027

Date

7TH DECEMBER 1933.

Dates of Surveys held while building

1933:

Dec. 4, 7, 12, 21, 23, 26, 30.

1934: Jan 2, 4, 8, 11, 15, 17, 22, 25, 31. Feb 5, 10, 16, 21, 26. Mar 1, 3, 6, 9, 14, 21, 22, 23, 26, 27, 28, 29, 31.

Total No. of Visits

34.