

## STEEL STEAMER OR MOTORSHIP. (TRAWLER)

Received at London Office

30 MAY 1946

SECTION

No. 102

53488

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. 11th April 1946Port of Hull

No.

Survey held at Selly and HullDate First Survey 3rd July 1945Last Survey 9th April

1946

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

Steel screw Steam Trawler "NORTHELLA"

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

Full ScantlingState Type of Erections whaleback forecastle raised quarter deck

TONNAGE under Tonnage Deck ...

492.97CLASS 100A.1. STEAMTRAWLERState if with freeboard as condition of Class ✓Built at Selly

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 175'-0"Launched 6th December 1945 Yard No. 1311

Breadth (greatest moulded)

B 30'-0"Builders Bochane & Sons Ltd

Total

492.97

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'-0"Owners J. Mann & Son Ltd

Gross Tonnage

578.69

1st Longitudinal Number (L x D)

2800

Managers

(Where necessary to be entered in Reg. Book)

Register Tonnage

215.86

2nd Numeral L x (B + D)

8050

Residence

## REGISTERED DIMENSIONS.

FEET

Length

177.6

Breadth

30.2

Depth

15.1

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

✓

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

✓

Do. Long Bridge to top of keel

✓

Draught Moulded

✓Port of Registry Hull

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	21	✓	Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	17 1/2	✓	" " Reversed Frame	✓	
" " FORE PEAK	17 1/2	✓	" " Vertical Struts	✓	
" " in peaks	21	✓	Centre Girder, depth and thickness amidships	36 x 30	✓
" " AFTER PEAK	21	✓	" " top Angle	3 3 30	✓
SIDE FRAMING.			" " bottom Angles	WELDED TO BAR KEEL	✓
Frame Amidships, Angle, E or C	5 3 40	✓	Side Girders, No. each side and thickness	TWO - 30	✓
" " Extends up to UPPER & R. Q. DECKS		✓	Margin Plate depth (excl. of flange) and thickness		
Reversed Frame Amidships, Angle	3 3 38	✓	" " Vertical Angle to Tank side		
" " Extends up to ACROSS FLOORS		✓	" " Bracket abaft 1/4 len. from stem		
Depth of Framing Girder	5	✓	" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, C or E			" " Bracket from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, C or E			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or C	5 3 40	✓	INNER BOTTOM PLATING. (FRAMES 38 TO 53)		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4	✓	Breadth and thickness of Middle Line Strake	66 x 30	✓
State if Frame Joggled	No.	✓	" " CROSS BUNKER	30	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?		✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?		✓	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	19 x 40	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6 1/2 3 46	✓
Height of Brackets at side above base line at toe of frame	NONE	✓	" " in way of Bridge, Angle, C or E	✓	
Middle Line Keelson, on Floors, Angle, C or E	12 x 4 x 4 x 36 LBS.	✓	Spacing	42	✓
" " Through Plate or Intercoastal Plate	✓		R.Q. Second Deck, amidships, Angle, E or C	6 1/2 3 46	✓
" " Foundation Plate on Floors	✓		Spacing	42	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, C or E		
BILGE			Spacing		
Side Keelson, No. each side	ONE	✓	Fourth Deck, amidships, Angle, C or E		
" " thickness of Intercoastal Plate	✓		Spacing		
" " Angle	5 4 48	✓	Poop Deck, Angle, C or E		
" " IN BUNKER SPACE	5 4 52	✓	Spacing		
DOUBLE BOTTOM. (FRAMES 38 TO 53)			Bridge Deck, Angle, C or E		
Solid Floors, thickness and spacing	40 - 21"	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	No.	✓	Forecastle Deck, Angle, C or E	4 1/2 3 40	✓
Bracket Floors, breadth and thickness at middle line	✓		Spacing	Approx 30"	✓
" " breadth and thickness at margin plate	✓				

[illegible]

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <small>State if joggled ?</small>			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.		
<b>GARBOARD</b> <b>Flat Plate Keel.....</b>	38✓	.80✓	.46✓	.46✓		DOUBLE	3/4	SRR.	3-2	3/4	2 7/8	STRAPPED
" Dblg. (if any)	✓	✓				✓			✓			
Bottom Plating, No. of Strakes } 2	58✓	.44✓	.40✓	.40✓		DOUBLE	3/4	SRR.	2✓	3/4	2 7/8	LAPPED
Bilge Plating, No. of Strakes } 1	59✓	.44✓	.40✓	.40✓		"	"	"	"✓	"	"	"
Side Plating, No. of Strakes } 1	59✓	.44✓	.40✓	.40✓		"	"	"	"✓	"	"	"
Upper Deck, Sheer-strake in Wells.....	48✓	.625✓	.50✓	.50✓		"	"	"	"✓	"	"	"
Upper Deck, Sheer-strake in Bridge ... }	✓	✓				"	"	"	3-2✓	"	"	STRAPPED
Strake below Sheer-strake in Wells ..... } F	60✓	.44✓	.40✓	.40✓		DOUBLE	"	"	3-2✓	3/4	2 7/8	LAPPED
Strake below Sheer-strake in Bridge ... }												
Poop Side Plating.....												
Bridge Side Plating.....												
Forecastle Side Plating			.31✓			SINGLE	3/4	SR.	SINGLE	3/4	2 7/8	STRAPPED

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

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

„ Deck next below ✓

As per Rule 3. ✓

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	FLAT BAR.	8" x 2" ✓		
STEM	" "	8" x 2" ✓		
STERN FRAME	Propeller Post	8" x 4" ✓	T.S. FORSTER & SONS LTD.	
	Rudder	8" x 4" + FIN ✓	"	
Speed of Vessel		UNDER 14 KNOTS ✓		
RUDDER—Type		STREAM LINE DOUBLE PLATE ✓		
" A x D.		183-54 ✓		
" Diam. of head		7 3/4" ✓	T.S. FORSTER & SONS LTD.	
" Mainpiece at top pintle		7 7/8" x 6 1/2" ✓	"	"
" " heel		6 1/2" x 4" ✓	"	"
" how constructed		FORCED & BUILT. ✓		
" double or single plate		DOUBLE PLATE ✓		
" coupling, vertical or horizontal		HORIZONTAL. ✓		

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

PLATES:- APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD. CONSETT IRON CO. LD.

SECTIONS:- DORMAN, LONG & CO. LD. SKINNINGROVE IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD.

Has the Steel been tested ✓

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

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.	lbs.			
60428	1st Bower	13	1	6	STOCKLESS			14	19	1	14	13		HALL'S TYPE (CAST STEEL HEAD)	NOT STATED	CRADLEY HEATH 13.8.45 JOSEPH HIBBS.
60429	2nd "	12	0	24	"			14	1	3	14	12		" " "	" "	" " "
	3rd "															
	Collective weight	25	2	2								25				
60653	Stream	4	2	0	1	0	14	6	17	2	0	4 1/2	EX. STOCK	ORDINARY FORGED W.I. ANCHOR	NOT STATED	CRADLEY HEATH 31.8.45 W.V. NORMAN.

## 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.	Ins.		Length.	Ins.
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.		Fathoms	Ins.			Fathoms	Ins.	Tons.	Fathoms	Ins.
70943	150 3/4	1 5/16	31	46 1/2	139	1-1	132 1/2	150	1 5/16	STUD LINK	B HINGLEY & SONS	CRADLEY HEATH 28.1.46 W.V. NORMAN.	TOWLINE					
													HAWSERS & WARPS	60	6		60	6
														60	6		60	6
Iron Stream Chain or Steel Wire	✓																	

Steering Gear, Type (Power or hand) DONKIN'S STEAM HYDRAULIC TYPE ✓ Alternative Means of Steering TILLER WITH BLOCKS &amp; TACKLE.

Steering Chains (Size and Test) NONE ✓ Windlass STEAM-GENNELL &amp; FROW LTD Boats 2-25 FT. LIFEBOATS.

Ceiling in Holds, thickness and material 2" DOUGLAS FIR. ✓ Cargo Battens, thickness, material and spacing NONE ✓

Cargo Hatchways.-(Upper Deck) STEEL PLATES. ✓ Thickness of Hatches 3" ?

Size of Hatchways No. 1 (Fwd.) 3'6" x 3'9" No. 2 5'0" x 3'9" No. 3 5'0" x 3'9" No. 4 5'0" x 3'9" No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters } NONE. ✓ FOR COCHRANE &amp; SONS, LTD

Builder's Signature V. Gray. DIRECTOR

**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 ship has been built in conformity with the Society's Rules and Regulations and the Secretary's Letters. ✓ The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans. ✓

The materials and workmanship are good. ✓

Fresh water tank, boiler feed tank, live oil tanks and foot's tank have been tested to rule requirements and found in order. ✓

Fore &amp; after peaks, watertight flat aft, decks, casings, watertight door, skylights &amp; hand pumps have been tested and found in order. ✓

Windlass &amp; steering arrangements tried under working conditions and found in order. ✓

The amount of Entry Fee..... £ 4 : 0 : 0 } Fees applied for,

Special Survey Fee..... £ 57 : 18 : 0 } 19

Travelling Expenses, if any..... £ 4 : 17 : 6 } Received by me, 19

(Special notations, where part of class, to be stated.)

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.

Signature J. M. Macleod  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull. ✓ Date of issue 19/6/46

Committee's Minute

FRI. 14 JUN 1946

Character assigned

+100A1 "Steam Trawler"

Lloyd's A.C.P.

+LMC 4.46

F.D. C.L.

Spt.

While Hall.

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Lloyd's Register  
Foundation

0134 2/2

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.)

The following approved plans are enclosed herewith:—

Midship Section - Profile + Deck plan. Stemframe + Rudder.  
Fresh water boiler feed tanks. Bulkheads. Cruiser Stern  
hewn oil tanks. Pumping plan. Stern. Cabin sole + fore-castle stringer.

A soft nose plate stem 50 thick is fitted from 8'6" draft mark.

An echo sounding device has been fitted.

The following forging + casting reports are forwarded herewith:

Stemframe.	Std. Rpt. No 5052
Rudder frame + rudder head.	" " " 6438
Stem post.	" " " 4986.
Acc tiller	" " " 5265
one keelson	" " " 6035
one spare tiller.	" " " 6036.

This vessel is a sister ship to ST. MARK - Cochrane Harb Yard No 1310 - Hull Rpt. No 53378.

no plans with this or St. Bartholomew

#### PARTICULARS OF ELECTRIC WELDING (if employed)

Hulk top and watertight flat electrically welded at ship's sides.  
Approved electrodes used.

#### SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

\* 100 A-1. STEAM TRAWLER

Particulars of Drop Test of  
Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials,  
Number of Certificate, Date  
of Test.

1st Bower	8-2-25 inch pins.	A.E.G.	4209.	28-2-45.
2nd "	7-2-16 " "	A.E.G.	9346.	11-11-43
3rd "				

#### PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 92 ft., Bridge ☒ ft., Fore-castle 29.25 ft.

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

Official No. 180482 Signal Letters ☒ Extreme Breadth over Belting 30.3/4 Over-all Length 193.5/4  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 10K (STL)

Parts of Bottom of Vessel coated with cement or approved composition Bottom cemented.

Particulars of composition (if fitted) and of approval ☒

#### PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) (Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

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, <u>FRESH WATER TANK</u>	<u>10'6"</u>	<u>15</u>	Other tanks, if fitted,		
Double bottom, forward, <u>BOILER FEED TANK</u>	<u>15'9"</u>	<u>22</u>	(If necessary furnish further information by sketch.)		
Total length (if continuous) and Capacity	<u>26-3"</u>				

Order for Special Survey No 3474

Date 12th March 1945

Dates of Surveys  
held while building

1945:— July 3-4-9-18. Aug. 9-24-31. Sept. 5-18-20-26. Oct. 2-8-10-26-31. Nov. 8-16-21-23-30.  
Dec. 7-14-21. 1946:— Jan. 1-9-18-23-25-30. Feb. 18-21. Mar. 6-14-15-21. Apr. 2-5-9

Total No. of Visits 39