

STEEL STEAMER OR MOTORSHIP.

Received at London Office 2 FEB 1955

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 **31.1.55** Port of **HULL** No. **60955**Survey held at **HULL** Date First Survey **1-10-1954** Last Survey **11-1-1955** 19On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Steel Single Screw Motor Trawler "MAGNOLIA" ex "BIRCH" (machinery aft)**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Full Scantling** State Type of Erections **Forecastle only**

TONNAGE under Tonnage Deck ...

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

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.

FEET

Length **153.85****27.2****14.0**CLASS **+100A1 Trawler** State if with freeboard as condition of Class **no**Length from fore part of stem to after part of stern **150'-0"**Breadth (greatest moulded) **B 27'-6"**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 x D) **=**2nd Numeral L x (B + D) **=**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 **=**Built at **Beverley**Launched **13th Nov. 1939** Yard No. **652**Builders **Lock Melling & General Ltd.**Reconstructed by **Cosper Ltd., Portsmouth**Owners **Humber St. Andrew's Co., Hull**OWNERS :- **Cosper Ltd., Portsmouth**Managers **B. A. Parkes**

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry **Portsmouth****X** Surveyed while building, afloat, & in dry dock**St. Andrew's Dock, Hull**

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.
AMES, Spacing amidships.....	22	✓	Bracket Floors, Frame		
" " from $\frac{1}{2}$ length amidships to Collision bulkhead.....	22	✓	" " Reversed Frame.....		
" " in peaks	22	✓	" " Vertical Struts		
FRAME FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E-F	5 3 .40	✓	" " top Angles		
" " Extends up to.....	Upper Deck	✓	" " bottom Angles.....		
Reversed Frame Amidships, Angle	3 3 .38	✓	Side Girders, No. each side and thickness.....		
" " Extends up to across floors			Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	5	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
" " Third "Collision" Bulkhead			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{2}$ len. for'd. to $\frac{1}{2}$ len. from Stem.....	5 3 .46	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle E-F Forepeak Aft peak	5 3 .34	✓			
Ameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ - $5\frac{1}{4}$	✓	INNER BOTTOM PLATING.		
State if Frame Joggled.....	no	✓	Breadth and thickness of Middle Line Strake...		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	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?	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?		
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....	18 x .40	✓	Uppermost Continuous Deck, amidships in	5 3 .40	
Height of Brackets at side above base line at toe of frame.....	48 E.R.	✓	" " Wells , Angle, E-F		
Middle Line Keelson, on Floors, Angles E-F Double	5 x 3 x .40 - 30	✓	" " in way of Bridge, Angle, [or]		
" " " Through Plate or Inter-costal Plate42 - .38	✓	Spacing	22	
" " " Foundation Plate on Floors			LOWER FLAT FORD.		
" " " Flat Plate Keel Angles Double	3 x 3 x .44 - .40	✓	Second Deck, amidships, Angle, E-F	5 3 .35	
Keelsons, No. each side.....	ONE	✓	Spacing	22	
" " thickness of Intercoastal Plate...			LOWER FLAT AFT		
" " Angles Single	5 3 .50	✓	Third Deck, amidships, Angle, E-F	5 3 .35	
DOUBLE BOTTOM.			Spacing	22	
Solid Floors, thickness and spacing			Fourth Deck, amidships, Angle, [or]		
" " Are Frame and Reversed Frame joggled?			Spacing.....		
Bracket Floors, breadth and thickness at middle line			Poop Deck, Angle, [or]		
" " breadth and thickness at margin plate.....			Spacing.....		
			Bridge Deck, Angle, [or]		
			Spacing.....		
			Forecastle Deck, Angle, E-F	5 3 .32	
			Spacing.....	22	

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							
in 'tween Deck, Size and Spacing 1 ROW x 2 3/4" DIA. x 4 1/2" UNDER FOREMAST 2 x 3 1/2" DIA.				Stringer Plate, breadth and thickness in way of Bridge			
FISHROOM 4 ROWS 1 1/2" x 1 1/2" STEEL WITH 5/16" THICK ALUM. ALLOY CHANNELS 4 1/2" SPACING				Thickness of Plating abreast Deck openings in way of Wells			
UNDER WINCH 4 x 3" DIA.				Thickness of Plating abreast Deck openings in way of Bridge			
Centre Line Bulkhead, IN O.F. TANKS FRS. 44-50 6 1/2" x 3" x 38" B.A. x 22" Stiffeners and Spacing				Thickness of Plating within line of openings...			
Plating, thickness of .36" BOTTOM STRAKE .32" REMAINDER				If Sheathed, material and thickness. AFTER FLAT 1/2" COMPOSITION			
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness 68 1/2" x .30"				Third Deck. Stringer Plate, breadth and thickness			
" " " " in way of Bridge				If Plated, state thickness			
" Angle in Wells 3 3 .38				Fourth Deck. Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells .32				If Plated, state thickness			
Thickness of Plating abreast Deck openings in way of Bridge —				Poop Deck. Stringer Plate, breadth and thickness			
Thickness of Plating within line of openings .28				Plating, Sheathing, material and thickness ...			
If Sheathed, material and thickness COR. PINE 2 1/2"				Bridge Deck. Stringer Plate, breadth and thickness			
Second Deck. FLATS PLATED THWARTSHIPS .26 Stringer Plate, breadth and thickness in Wells				Plating, Sheathing, material and thickness ...			
				Forecastle Deck. Stringer Plate, breadth and thickness .26			
				Plating, Sheathing, material and thickness .26 UNDER WINDLASS .34			

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 LAPPED			
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.				
Flat Plate Keel.....	39 1/2	.46	.42	.42		DOUBLE	3/4	3	TWO	3/4	2 5/8	STRAPPED			
" Dblg. (if any)	66	.40	.40	.40		DOUBLE	3/4	3	TWO	3/4	2 5/8	LAPPED			
Bottom Plating, No. of Strakes 2	66	.40	.40	.40		"	"	"	"	"	"	"			
Bilge Plating, No. of Strakes 1	66	.40	.40	.40		"	"	"	"	"	"	"			
Side Plating, No. of Strakes 1	66	.40	.40	.36		"	"	"	"	"	"	"			
Upper Deck, Sheer-strake in Wells.....	58	.50	.43	.42		"	"	"	"	"	"	"			
Upper Deck, Sheer-strake in Bridge ...															
Strake below Sheer-strake in Wells.....															
Strake below Sheer-strake in Bridge ...															
Poop Side Plating.....															
Bridge Side Plating.....															
Forecastle Side Plating	75 x 28	.50 in way of housepipe													

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

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat Plate Keel		
STEM		Forging 7 1/2 x 1 1/2 Consell Iron Co.		
STERN FRAME	Propeller Post	Cast Steel	Stewart & Co.	
	Rudder	"	"	
Speed of Vessel	12 knots			
RUDDER—Type	Spade Type			
" A x D	5 3/4" 4 1/2" Beardsley			
" Diam. of head	9"			
" Mainpiece at top pintle	BUSHING			
" heel	6" x 6" 4 1/2" Beardsley			
" how constructed	Cast steel frame with sideplate			
" double or single plate coupling, vertical or horizontal	Double .375" Horizontal			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween deck	ON FRAME 1 1/4	40-30	6" x 3" x 4 1/2"	30"	—
" " Second "	43	38-30	5 1/2" x 3" x 3 1/2"	28"	—
" " Third "	44	34-30	6" x 3" x 3 1/2"	24"	1 1/2" x 36" WITH 6" x 3" x 3 1/2" O.F. FACE BAR
" " Hold "	50	36-32	6 1/2" x 3" x 3 1/2"	24"	"
COLLISION " FORE PEAK (in Hold)	5	40-26	6" x 3" x 3 1/2"	24"	—
AFTER PEAK "	72	40-26	5" x 3" x 4 1/2"	27-30"	—

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Original building: Dorman Long, Consell Iron Co., South Durham Steel Co., Appleby, Frodingham, Large & Co. Reconstruction in Hull: Appleby Frodingham Has the Steel been tested as required by the Rules? Yes!
--------	--

Particulars of equipment as below are identical with those on orig. F.E. Rpt No 506/12
Hull 4.10

EQUIPMENT No. 135 LETTER S/ 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.
680	1st Bower	14	1	10	STOCKLESS	15	19	0	7	9 1/2	STOCKLESS	S. TAYLOR & SONS	NETHERTON 21-12-39 J.A. ROLF		
681	2nd "	14	1	0	"	15	6	3	14	8 3/4	"	"	"		
	3rd "												"		
	Collective weight	28	2	10											
0 A	KEDGE	2	2	7		2	3	5	2	2	0	3 3/4	EAST STEEL ADMIRALTY PATTERN	BROWN LEMMON & CO. LTD.	CARDIFF 18-1-40 A. BUTLER

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.	Stator.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Clr.		Length.	Clr.
660	60	1 1/8	22 3/4	34 1/8	41	1	12	97 1/2	STUD LINK	HENRY REECE	25-10-39 S.C. PAUL	TOWLINE					
661	7	"	"	"	5	1	12	135	1 3/8	"	"	"	HAWSERS & WARPS				
218	60 1/2	"	"	"	41	0	1		"	WOODHOUSE BROS.	NETHERTON						
219	7 1/2	"	"	"	5	1	4		"	"	13-3-40 J.A. ROLF						
EDGE	135	1 1/8			41	0	1										

STEERING Gear, Type (Power or hand) DONKIN HYDRAULIC Alternative Means of Steering (1) HAND PUMP IN WHEELHOUSE. (2) TILLER WITH WARPS TO WINCH.

STEERING Chains (Size and Test) NONE Windlass ELECTRIC, A. BARTON LTD. Boats TWO 22'

FISHROOM

Plating in Hold, thickness and material 2" REDWOOD Cargo Battens, thickness, material and spacing

Hatchways.-(Upper Deck) FIVE Thickness of Hatches 2 1/2"

Size of Hatchways No. 1 (Fwd.) 36" x 41" No. 2 39" x 48" No. 3 39" x 48" No. 4 39" x 48" No. 5 40" x 72" No. 6

Number of Shifting Beams and/or Fore and Afters

Builder's 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 MOTORSHIP (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo 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 was built under Special Survey and to Admiralty requirements in 1940 and has been reconstructed under Special Survey for fishing purposes in conformity with the Rules and Regulations and the Secretary's letters.

The scantlings and arrangements of the ship are as given in the Report and as shown on the approved plans for reconstruction now forwarded.

All modifications or additions to the approved arrangements for the reconstruction have been indicated on the plans and have been approved as being in accordance with or by standards equivalent to the Rule requirements.

Plans of reconstruction showing the ship as now completed now forwarded herewith and have been checked with the approved arrangements and found in order.

The workmanship and materials (reconstruction) are of good quality.

Plans to be submitted

Amount of Entry Fee £15 0 0 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee £ Received by me, WE ARE of opinion the Vessel should be Classed +100 A1 TRAWLER

Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey YES

Certificate to be sent to Date of issue

Signature of Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRIDAY 22 APR 1955

Character assigned See Hull Rpt. 8.

0198 1/2

GENERAL REMARKS—(The Surveyor should state the Number of Plans and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a Dist. Rpt. 8.

The oil fuel tanks and fresh water tanks were tested at Portsmouth (Southampton Rpt. no. 20616).

Approved plans for reconstruction here with return:-

- (1) Oil Fuel Bunkers.
- (2) W.T. Bulkheads and Fresh Water Tanks.
- (3) Engine Serting.
- (4) Residue and Good liner Oil Tanks Bulkheads.
- (5) W.T. Bulkhead 6A.
- (6) Stiffening under Draft Winch.
- (7) Emergency Steering Tackle.
- (8) Bridge Deck casings and Wheelhouse.

General Arrangement.

See also Southampton Report no. 20616 and Report of Special Survey carried out at Hull.

Sister Vessel :- "MAYTHORN".

PARTICULARS OF ELECTRIC WELDING (if employed)

For d. and after flats electrically welded to ship's sides.
Butts of plating of flats electrically welded.

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

+100 A1 Trawler
Echo Sounder.
Direction Finder

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Qua Vastis
State Name and/or Supplier Marconi

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

1st Bower
2nd "
3rd "

not available

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.O.D. — ft., Bridge — ft., Forecastle 26

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

Official No. 186786 Signal Letters _____ Extreme Breadth over Belfing 27'9" Over-all Length 164'1"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 steel - wood sheathed

Parts of Bottom of Vessel coated with cement or approved composition Fish Room and Fresh Water Tanks

Particulars of composition (if fitted) and of approval

Bitumastic in Forepeak

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,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. _____

Date _____

Dates of Surveys held while building

During reconstruction at Hull :-

1st 11th, 21st + 28th October 1954

4th and 17th November 1954

16th December 1954 and 11th January 1955

Total No. of Visits _____