

RECEIVED

10 AUG 1943

IN D.O.

STEEL STEAMER OR MOTORSHIP.

(TUG)

9 AUG 1943

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 6th July 1943 Port of HULL No. 52087Survey held at Selly and Hull Date First Survey 14th October 1942 Last Survey 29th June 1943On the Steel Single Screw Steam Tug "ANTIC" Machinery fitted aft.State Type Full Scantling State Type of Erections ForecastleTONNAGE under
Tonnage Deck ... 440.79Do. of space or spaces
between Tonnage Dk.
and Upper Dk. ✓Total 440.79Gross Tonnage 596.52Register Tonnage 0.17

REGISTERED DIMENSIONS.

FEET

Length 146.75Breadth 33.2Depth 15.2CLASS 100 A.I.

"FOR TOWING SERVICES"

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a) 142'6"Breadth (greatest moulded) 33'0"Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) 16'8"1st Longitudinal Number (L x D) 22802nd Numeral L x (B + D) 6982.5Framing Depth "d," at middle of length. See
Sec. 3 (1d) ✓Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 8'9"Do. Long Bridge to
top of keel ✓Draught Moulded 16'2"State if with freeboard
as condition of Class No.Built at SellyLaunched 24th March 1943 Yard No. 1264Builders Bocheane & Sons LtdOwners The AdmiraltyManagers ✓
(Where necessary to be entered in Reg. Book)Residence LondonPort 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	22 ✓		Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	22 ✓		" " Reversed Frame		
" " in peaks	22 ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle <u>E or F</u>	5 1/2 3 34 ✓		" " top Angles		
" " IN BOILER ROOM <u>F</u>	7 3 40 ✓		" " bottom Angles		
" " Extends up to <u>UPPER DECK</u>			Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle <u>IN BR RM</u>	3 3 45 ✓		Margin Plate depth (excl. of flange) and thickness		
" " " " <u>IN ENG RM</u>	32 32 50 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
" " Extends up to <u>ACROSS FLOORS</u>			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
Depth of Framing Girder	5 1/2 ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or F</u>			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, <u>E or F</u>			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " Third			INNER BOTTOM PLATING.		
" " from 1/2 len. for'd. to 15% len. from Stem	7 3 34 ✓		Breadth and thickness of Middle Line Strake		
" " in Peaks, Angle <u>or E</u>	5 1/2 3 34 ✓		Thickness of remainder in Holds		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4 - 5/4 ✓		Are Rule requirements complied with regard- ing increases of scantlings in way of <u>double</u> bottom in E. & B. space and framing in Bunkers and Boiler Room?		
State if Frame Joggled	<u>No.</u>		BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Uppermost Continuous Deck, amidships	5 1/2 3 32 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			" " <u>Wells, Angle E or F</u>	6 3 32 ✓	
SINGLE BOTTOM.			" " <u>in way of Bridge, Angle</u>	21" x 22" ✓	
Floors, Depth and thickness at mid-line in Holds <u>BOILER ROOM</u>	18 x 45 ✓		Spacing		
" " <u>IN ENGINE ROOM</u>	22 x 35 ✓		Second Deck, amidships, Angle, <u>E or F</u>		
" " Height of Brackets at side above base line at toe of frame <u>AT ENDS</u>	22 x 35 ✓		Spacing		
Middle Line Keelson, on Floors, Angles, <u>E or F</u>	12 x 4 x 36 x 3 lb ✓		Third Deck, amidships, Angle, <u>E or F</u>		
" " Through Plate or Inter- costal Plate	✓		Spacing		
" " Foundation Plate on Floors	✓		Fourth Deck, amidships, Angle, <u>E or F</u>		
" " Flat Plate Keel Angles	✓		Spacing		
Side Keelsons, No. each side	TWO		Poop Deck, Angle, <u>E or F</u>		
" " thickness of Intercoastal Plate			Spacing		
" " Angle <u>IN BOILER ROOM ONLY</u>	6 4 56 ✓		GOAT		
DOUBLE BOTTOM.			Bridge Deck, Angle, <u>E or F</u>	4 3 30 ✓	
Solid Floors, thickness and spacing			Spacing	14 1/2"	
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, <u>E or F</u>	7 3 34 ✓	
Bracket Floors, breadth and thickness at middle line			Spacing	22 x 14 1/2"	
" " breadth and thickness at margin plate					

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			
" in 'tween Decks, Size and Spacing	3" DIAM AS APPD			Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "	STEEL BULKHEADS	✓		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.	✓			Third Deck.			
Stiffeners and Spacing	✓			Stringer Plate, breadth and thickness.....			
Plating, thickness of	✓			If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	30 1/2 x 36	✓	27 x 36	If Plated, state thickness.....			
" " " " " in way of Bridge	✓			Poop Deck.			
" Angle in Wells	3 3 .40	✓		Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Wells	.30	✓		Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge	✓			Boat Bridge Deck.			
Thickness of Plating within line of openings...	.30	✓		Stringer Plate, breadth and thickness.....	.26	✓	CELOTEX 3/4" Sheeting
If Sheathed, material and thickness.....	UNSHEATHED	✓		Plating, Sheathing, material and thickness	.26	✓	FITTED UNDER CARGO DECK IN WAY OF ACCOMMODATIONS
Second Deck.	✓			Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	✓			Stringer Plate, breadth and thickness.....	.26	✓	
				Plating, Sheathing, material and thickness...	.26	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	AMIDSHIPS.		FORWARD.	AFT.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		BUTTS.		
	Breadth.	Thickness.	Thickness.	Thickness.			No. of Rows of Rivets.	Rivets.	STRAPPED OR LAPPED.
GARBOARD	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.
Flat Plate Keel	40	.40	.40	.40		DOUBLE	3/4 6 R.R.	THREE	3/4 2 7/8 STRAPPED.
" Dblg. (if any)	✓	✓				✓	✓		
Bottom Plating, No. of Strakes	B 71	.36	.36	.36		DOUBLE	3/4 6 R.R.	TWO	3/4 2 7/8 LAPPED
Bilge Plating, No. of Strakes	C 62	.36	.36	.36		"	"	"	"
Side Plating, No. of Strakes	D 60	.36	.36	.36		"	"	"	"
Upper Deck, Sheer-strake in Wells	E 61	.36	.36	.36		"	"	"	"
Upper Deck, Sheer-strake in Bridge	F 44	.46	.38	.38		DOUBLE	3/4 6 R.R.	THREE	3/4 2 7/8 STRAPPED.
Strake below Sheer-strake in Wells	G 53	.38	.38	.38		DOUBLE	3/4 6 R.R.	TWO	3/4 2 7/8 LAPPED.
Strake below Sheer-strake in Bridge	✓					✓	✓		
Poop Side Plating	✓					✓	✓		
Bridge Side Plating	✓					✓	✓		
Forecastle Side Plating	44	.31				DOUBLE	3/4 6 R.R.	TWO	3/4 2 7/8 LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	4 BH for record
Extending to Upper Deck (Sec. 3 c)	6
" Deck next below	✓
As per Rule	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT BAR ROLLED	7" x 1 1/2"		
STEM	"	7" x 1 1/2"		
STERN FRAME	Propeller Post	FORGING 7 7/8 x 3 1/4	T.S. FORSTER	
	Rudder	7 7/8 x 3 1/4	& SONS L.O.	
Speed of Vessel		12-13 KNOTS		
RUDDER—Type		SINGLE PLATE		
" A x D.		226.33		
" Diam. of head		8"		
" Mainpiece at top pintle		8 1/8"		
" heel		6"		
" how constructed		FORGED & BUILT.		
" double or single plate coupling, vertical or horizontal		SINGLE 1.02 THK.		
		HORIZONTAL.		

STIFFENERS.					
Plating Thickness.		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
O.T. MIDSHIP BULK'D	ON FRAME No 29	35-30	7 x 3 = 33 1/2	24	12 x 38 PT.
" " " "	Upper 'tween decks	38	5 1/2 x 3 = 35 1/2	24	12 x 38 PT.
" " " "	Second	51	7 x 3 = 33 1/2	24	12 x 38 PT.
" " " "	Third	53	5 1/2 x 3 = 32 1/2	24	12 x 38 PT.
" " " "	Hold	53	5 1/2 x 3 = 32 1/2	24	12 x 38 PT.
COLLISION	(in Hold)	72	5 1/2 x 3 = 32 1/2	24	STEEL PLAT.
AFTER PEAK		6	7 x 3 = 30 1/2	24	
		5	5 x 3 = 30 1/2	24	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS
	PLATES:—DORMAN, LONG & CO. LD. CONSETT IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD.
	SECTIONS:—APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD.
	Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. ✓												LETTER ✓		ANCHORS.			
Departure from ed. Plans Noted.	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.				
	6040	1st Bower	14	0	18	Stockless			15	14	2	21	14 ✓	Hall's type (cast steel head)	Not stated	Bradley Heath	
	6039	2nd "	14	0	0	✓	"		15	12	2	0	14 ✓	" " "	" "	29-4-43 W.V. Norman	
		3rd "															
		Collective weight	28	0	18	✓							28 ✓				
✓		Stream		✓													

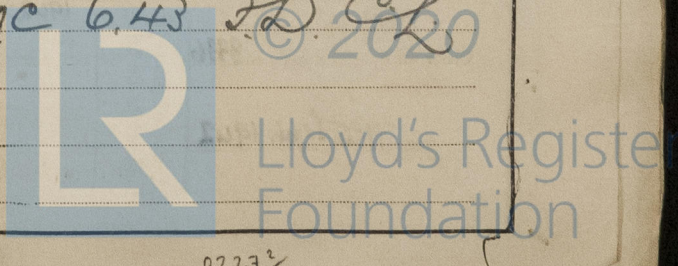
CHAIN CABLES.										HAWSERS AND WARPS.								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Descrip- tion.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking 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
													TOWLINE	✓			✓	
6898	150 3/4	1 3/16	25 3/8	38	110-0-21	108 1/2		150	1 3/16	Stud hook	B. Huggley & Sons	Bradley Heath	HAWSERS & WARPS	60	7		60	7
												29-4-43 W.V. Norman			60	5 1/2		60
		Cir.							Cir.				"					
n Stream ain or eel Wire	✓	✓						✓	✓									

Steering Gear, Type (Power or hand)	DONKIN & CO. LD.	Alternative Means of Steering	HAND GEAR - DONKIN & CO. LD.
Steering Chains (Size and Test)	NONE	Windlass	STEAM - CLARKE, CHAPMAN & CO. LD.
3/4" Trolling in Holds, thickness and material	1 3/8" WHITE PINE	Cargo Battens, thickness, material and spacing	1 3/8" W.P. - 6"
Cargo Hatchways. — (Upper Deck)	STEEL PLATES & ANGLES	Thickness of Hatches	3" W.P. & STEEL PLATE COVERS.
Size of Hatchway	AFT. 8'0" x 6'0" No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓		
Number of Shifting Beams and/or Fore and Afters	NONE		FOR COCHRANE & 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. 400. ✓	
(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 of various dates, and in general conformity with the Rules for the class contemplated. ✓	
The materials & workmanship are good. ✓	
Peak tanks, water ballast tank forward, fresh water & feed water tanks and oil fuel tanks have been tested to rule requirements and found in order. Flash point of oil fuel, 150°F. ✓	
Oil fuel tanks situated between engine & boiler spaces, and immediately forward of the boiler room. ✓	
Decks, casings, watertight bulkheads etc, hoist tested and found in order. Shell plating clear of tanks hoist tested and found in order. ✓	
Windlass steering arrangements tried under working conditions and found in order. ✓	
A freeboard has been assigned, marked on the vessel's sides and verified. ✓	

The amount of Entry Fee..... £	✓ : 5	Fees applied for, AUG 1943	(Special notations, where part of class, to be stated.)
Special Survey Fee AND FEE FOR SUPERVISION OF SPECIFICATION	14-0-0	Received by me,	I am of opinion the Vessel should be Classed + 100 A-1.
Travelling Expenses, if any..... £	✓ :	19	"FOR TOWING SERVICES."
State whether the Vessel has been built under Special Survey	400.	Signature	Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to	Hull.	Date of issue	23/8/43

Committee's Minute	TUES. 17 AUG 1943
Character assigned	+ 100 A-1 In Towing Services
	Fitted for oil fuel 6.43 HP above 150°F
	Lloyds A & C.P. + LMC 6.43 HP
	Widely used



The approved plans are being retained for reference in dealing with sister vessels under construction.

Stem frame Sld. Rpt. No. 9445.
Rudder frame & cludder head " " " 9551

An echo sounding device has been fitted. ✓

Copy of interim certificate is enclosed herewith.

W.T. flats forward & aft electrically welded at ship's sides.
Approved electrodes used.

✦ 100 A.I.

"FOR TOWING SERVICES"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 27 ft.

Official No. 169288. Signal Letters ✓ Extreme Breadth over Belting 34-87 1/4 Over-all Length 156-7 1/4
(Circ. 1611) (Circ. 1703)

No. and Material of Decks PK (SIL)

Parts of Bottom of Vessel coated with cement or approved composition Bitumastic clear of oil/fuel tanks. ✓

Particulars of composition (if fitted) and of approval *Approved by Admiralty.*

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capac. Tons.
Double bottom, aft,			Fore peak tank,	11-5	22
Double bottom, under Engines and Boilers,			After peak tank,	11-0	39
Double bottom, if under Engines only,			Deep tank, aft, WATER BALLAST TANK	7-33	20
Double bottom, if under Boilers only,			Deep tank, forward, FRESH WATER TANK	9-16	36
Double bottom, forward,			Other tanks, if fitted, FEED WATER TANK	3-60	18
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Date 11th Sept. 1942

Dates of Surveys

1942:- Oct. 14. Nov. 9. 13. 24. 27. Dec. 1. 8. 11. 16. 22. 29. 1943:- Jan. 5. 15. 22. 26. 29.
Feb. 3. 9. 13. 18. 23. 26. March 2. 5. 12. 16. 19. 22. 30 April 2. 7. 9. 14. 23. 29. May 1
May 6. 22. 25. June 1. 4. 7. 11. 16. 18. 21. 22. 23. 25. 26. 29