

RECEIVED

14 FEB 1944

Date of completion of report 25th January.

Port of Hull.

Survey held at Selby and Hull.

Date First Survey 31st May 1943.

Last Survey 24th January 1944.

On the Steel single screw steam tug "SESAME".

Machinery fitted at 2537

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

Full Scantling

State Type of Erections Newcastle

TONNAGE under Tonnage Deck ... 440.79

CLASS 100 A.1.

State if with freeboard as condition of Class No.

Built at Selby.

Launched 1st October 1943 Yard No. 1275

Builders Cochrane & Sons Ltd

Owners The Admiralty

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

Residence London

Port of Registry

If surveyed while building, afloat, or in dry dock During construction

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

Tonnage 596.52

ster Tonnage 0.17

REGISTERED DIMENSIONS.

FEET

th 146.75

dth 33.2

h 15.2

"FOR TOWING SERVICES". Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

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

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, E or F	5 1/2 3 36 ✓	34 in "EARNER"	" " top Angles	
" " IN BOILER ROOM	7 3 40 ✓		" " bottom Angles.....	
" " Extends up to	UPPER DECK		Side Girders, No. each side and thickness.....	
Reversed Frame Amidships, Angle IN BLR RM.	3 3 45 ✓		Margin Plate depth (excl. of flange) and thickness	
" " " " ENG RM	3 1/2 3 1/2 50 ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	
" " Extends up to	ACROSS FLOORS		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	
Depth of Framing Girder.....	5 1/2 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	
Frames in Uppermost Continuous 'tween Decks, Angle, C or F			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	
" " Second 'tween Decks, Angle, C or F			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			Breadth and thickness of Middle Line Strake.....	
" " in Peaks, Angle or F	7 3 34 ✓		Thickness of remainder in Holds	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5 1/2 3 34 ✓		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?.....	Yes. ✓
State if Frame Joggled.....	No.		BEAMS.	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED.		Uppermost Continuous Deck, amidships in	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?			Wells, Angle, E or F	AND 6 3 32 ✓
SINGLE BOTTOM.			in way of Bridge, Angle, E or F	21" x 22" ✓
Floors, Depth and thickness at mid-line in	18" x 45 ✓		Spacing	
" " IN BOILER ROOM	22" x 35 ✓		Second Deck, amidships, Angle, C or F	
" " Height of Brackets at side above base line at toe of frame.....	22" x 35 ✓		Spacing	
Middle Line Keelson, on Floors, Angles, C or F	2 x 4 x 36 x 43 66 ✓		Third Deck, amidships, Angle, C or F	
" " Through Plate or Intercoastal Plate			Spacing	
" " Foundation Plate on Floors			Fourth Deck, amidships, Angle, C or F	
" " Flat Plate Keel Angles			Spacing	
Side Keelsons, No. each side.....	Two.		Poop Deck, Angle, C or F	
" " thickness of Intercoastal Plate.....			Spacing	
" " Angle IN BOILER ROOM ONLY	6 4 56 ✓		BOAT.	
DOUBLE BOTTOM.			Bridge Deck, Angle, E or F	4 3 30 ✓
Solid Floors, thickness and spacing			Spacing	44" ✓
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, E or F	7 3 34 ✓
Bracket Floors, breadth and thickness at middle line			Spacing	22" x 44" ✓
" " breadth and thickness at margin plate				

W345-0079 1/2

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 ✓				
" in 'tween Decks, Size and Spacing	3" DIAM. & AS APPD ✓ ALSO STEEL BULKHEADS. ✓				
" " " " " " " " " " " "	✓				
" in Holds " " " " " "	✓				
" " " " " " " " " " " "	✓				
Centre Line Bulkhead. Stiffeners and Spacing	✓				
Plating, thickness of	✓				
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	30 1/2 - 36 ✓	27" x 36 ✓			
" " " " " in way of Bridge	✓				
" Angle in Wells	3 3 - 40 ✓				
Thickness of Plating abreast Deck openings in way of Wells	30 ✓				
Thickness of Plating abreast Deck openings in way of Bridge	✓				
Thickness of Plating within line of openings...	30 ✓				
If Sheathed, material and thickness.....	UNSHEATHED. ✓				
Second Deck.					
Stringer Plate, breadth and thickness in Wells	✓				
Stringer Plate, breadth and thickness					
Plating, Sheathing, 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 ...					
BOAT Bridge Deck. ✓					
Stringer Plate, breadth and thickness.....			26 ✓	CETOX 3/4 THK.	
Plating, Sheathing, material and thickness ...			26 ✓	FITTED UNDER	
Forecastle Deck.					
Stringer Plate, breadth and thickness.....			26 ✓	DECK IN WAY OF	
Plating, Sheathing, material and thickness...			26 ✓	ACCOMMODATION	

SCANTLINGS.				EDGES.		RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	State if Joggled?		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAINED 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.....	40	✓ 40	✓ 40	✓ 40		DOUBLE ✓	3/4	6 PR. R.	THREE ✓	3/4	2 5/8	STRAPPED.
„ Dblg. (if any) ✓	✓	✓				✓			✓			
Bottom Plating, No. of Strakes 2.....	8 71	✓ 36	✓ 36	✓ 36		DOUBLE ✓	3/4	6 PR. R.	TWO ✓	3/4	2 5/8	LAPPED.
Bilge Plating, No. of Strakes 1.....	6 62	✓ 36	✓ 36	✓ 36		„	„	„	„	„	„	„
Side Plating, No. of Strakes 1.....	6 60	✓ 36	✓ 36	✓ 36		„	„	„	„	„	„	„
Upper Deck, Sheer-strake in Walls.....	6 61	✓ 36	✓ 36	✓ 36		DOUBLE ✓	3/4	6 PR. R.	THREE ✓	3/4	2 5/8	STRAPPED.
Upper Deck, Sheer-strake in Bridge.....	✓	✓				✓			✓			
Strake below Sheer-strake in Walls.....	6 53	✓ 38	✓ 38	✓ 38		DOUBLE ✓	3/4	6 PR. R.	TWO ✓	3/4	2 5/8	LAPPED.
Strake below Sheer-strake in Bridge.....	✓					✓			✓			
Poop Side Plating.....	✓					✓			✓			
Bridge Side Plating.....	✓					✓			✓			
Forecastle Side Plating.....	44	✓ 36				DOUBLE ✓	3/4	6 PR. R.	TWO ✓	3/4	2 5/8	LAPPED.

WATERTIGHT BULKHEADS.	
Total No. of W.T. BULKHEADS in Vessel—	484 For record
Extending to Upper Deck (Sec. 3 c)	6
„ Deck next below	✓
As per Rule	4

FORGINGS AND CASTINGS.		Any Departure from Approved Plans to be Noted		
	Casting or Forging.	Scantlings.	Maker's Name.	
KEEL, Bar	FLAT BAR.	FLAT BAR	7" x 1 3/4"	✓
STEM	" "	" "	7" x 1 3/4"	✓
STERN FRAME	{ Propeller Post	FORGING	7 5/8" x 3 3/4"	T. S. FORSTER ✓
	{ Rudder	"	7 9/8" x 3 3/4"	2 SONS LTD. ✓
Speed of Vessel			12-13 KNOTS.	✓
RUDDER—Type			SINGLE PLATE	✓
" A x D			22 1/2 x 33	✓
" Diam. of head			8"	✓
" Mainpiece at top pintle			8 7/8"	✓
" " heel			6	✓
" how constructed			FORGED & BUILT.	✓
" double or single plate coupling, vertical or horizontal			SINGLE.	✓
			HORIZONTAL.	✓
ACORN HEARTH PROCESS				

				Plating Thickness.		STIFFENERS.			
						VERTICAL.		HORIZONTAL.	
						Scantlings. Spacing.		Scantlings. Spacing.	
0.T.	ON FRAME NO 29					7 x 3 + 33		12" x 39 PL	
MIDSHIP	BULKH'D,	Upper tween decks		35	30	5/2 x 3 + 35	24"	5/2 x 3 + 35	✓
"	"	Second "	"	38	35-30	7 x 3 - 31 1/2	24"	12" x 39 PL	✓
"	"	Third "	"	51	34-30	5/2 x 3 + 32 1/2	24"	5/2 x 3 + 35	✓
"	"	Hold "	"	53	34-30	5/2 x 3 + 40-35	23-25"	12" x 39 PL	✓
"	"	"	"	53	34-30	5/2 x 3 + 40-35	24"	3 x 3 - 30	✓
"	"	"	"	72	34-30	7 x 3 + 30 1/2	24"	STEEL PLAT	✓
COLLISION	"	(in Hold)	"	50	30	4 x 3 + 40	"	"	"
AFTER PEAK	"	"	"	5	30	5 x 3 + 30 1/2	24"	✓	✓
"	"	"	"	8	30	2 1/2 x 3 + 30 1/2	"	✓	✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). VER
PLATES. APPELEY - FRODDINGHAM STEEL CO. LD. CONSETT IRON CO. LD. DORMAN, LONG & CO. LD.
SECTIONS:- DORMAN, LONG & CO. LD. SKINNING GROVE IRON CO. LD.
 Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. <u>11674</u>										LETTER <u>✓</u>		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.
56524	1st Bower	14	0	14				15	14	2	21	✓	14	HALL'S TYPE CAST STEEL HEAD	Not stated	Bradley, ^{Hutchinson} 19-10-48 W.V. Norman
56525	2nd "	* 14	0	16				15	14	2	21	✓	14	" " "	" "	" "
	3rd "															
	Collective weight	28	1	2									28			
✓	Stream	✓														

HAWSEYS AND WARPS.

[illegible]

CHAIN CABLES.																				
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. Fathoms.	Diam. Ins.	Status. Tons.	Break- ing. lbs.	Supplied.		Per Rule.							Length. Fathoms.	Diam. Ins.		Length. Fathoms.	Cir. Ins.	Length. Fathoms.	Cir. Ins.
					Cwts.	qrs.	lbs.	Cwts.												
67572	150 1/2	1 3/8	25 3/8	38	110	0	2		108 1/2	150	1 3/8	Stud link Bars.	B. Hargreley Bradley Heath 18-10-43 W.V. Korman	TOWLINE HAWSEERS & WARPS	60	7	60	7		
														"	60	5 1/2	60	5 1/2		
Iron Stream Chain or Steel Wire	✓	✓								✓	✓			"						

Steering Gear, Type (Power ~~For~~ or hand) TELE MOTOR CONTROL GEAR. DONKIN & CO. LD. Alternative Means of Steering HAND GEAR. DONKIN & CO. LD.

Steering Chains (Size and Test) NONE Windlass STEAM. CLARKE, CHAMMAN & CO. LD. Boats 1 MOTOR BOAT. 28'6"
1 LIFE BOAT. 24'0"

Ceiling 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. & 50 STEEL PLATE COVERS.

Size of Hatchway 8'0" x 6'0" No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams ✓ and/or Fore and Afters

FOR OCEANFRAN & SONS LTD
Builder's Signature J. Inay DIRECTOR

The amount of Entry Fee.....	£ ✓ : 0	} Fees applied for, 1 FEB 1946 19.....	→	ADMIRALTY (Special notations, where part of class, to be stated.) A/c rendered from London <i>444</i>
FREESBOARD FEE	£ 8:0 : 0			
Special Survey Fee.....	£ 64:0 : 0			
SUPERVISION OF SPECIFICATION	£ 64:0 : 0	} Received by me, 19.....		I am of opinion the Vessel should be Classed ✱ 100 A-1. "OR TOWING SERVICES"
Travelling Expenses, if any	£ ✓ : 0			

State whether the Vessel has been built under Special Survey 4/2 Signature J. M. MacLeod
Surveyor is Lloyd's Register of Shipping

Certificate to be sent to WILL. Date of issue 11/13/44

Committee's Minute.....

Character assigned 7 6 1 6 3

Y.H. } if fuel 1 sec FP above 150°F

L band's A & CP + Lmc 1.44

FD-302 (Rev. 11-27-70)

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 approved plans are being retained for reference.

The following reports are enclosed herewith:—

Hull frame Sld. Rpt. No 630
Rudder frame & Rudder head. " " " 773

This vessel is a sister ship to Hull. Reg. "EARNER. Hull Rpt. No 52200.

An echo sounding device has been fitted

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. plates forward & aft 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 A1.

"FOR TOWING SERVICES".

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

1st Bower	8-3-10 incl. pins.	A.E.G.	9086.	30-8-43.
2nd "	8-3-12 " "	A.E.G.	9087.	30-8-43.
3rd "				

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

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

Official No. ☒ Signal Letters _____ Extreme Breadth over Belting ☒ 34.87 ft. Over-all Length ☒ 156.7 ft.
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK (STL).

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.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	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, FRESH WATER TANK	3.60	18
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3370

Date. 18th Jan 1943

Dates of Surveys held while building

1943: May 31. June 2. 9. 15. 18. 22. 24. 28. 30. July 9. 13. 16. 23. 29. August 11. 13. 18. 20. 22. 27. 30. 31. Sept. 10. 15. 17. 21. 24. 28. Oct. 4. 8. 11. 14. 22. 25. 28. Nov. 5. 8. 12. 16. 25. Dec. 1. 14. 17. 20. 24. 28. 30. 1944: Jan. 4. 8. 11. 13. 14. 18. 21. 22. 24.

Total No. of Visits 56