

ASTINGS.		
Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
7" x 1 1/4"	✓	6 1/2" x 1 1/2" ✓
7" x 1 1/4"	✓	6 1/2" x 1 1/2" ✓
5 1/2" x 2 1/2"	T.S. FORSTER ✓	
5 1/2" x 2 1/2"	& SONS LTD. ✓	
1 Unst	✓	
9/16 plate	✓	
82.5	✓	
5 5/8"	✓	
5 1/2"	✓	
4"	✓	
d Thirl	✓	
80	✓	
original	✓	
health process	✓	
LTD.		
L CO. LTD.		

Reg. 1. (Received at London Office,.....)

No. 3299 Port Hull Date 22nd Oct. 1941

We request that the Single Screw Steam Tug Building
for Ministry of War Transport by Cochrane & Sons Ltd, Selby
of Tons. Length, 105'-0" B.P. breadth, 26'-6" MLD. depth, 13'-0" MLD.
may be Specially Surveyed while building (*100A.1. In Towing Services) If for a particular term
or class, state the same.

We hereby engage to pay the established Special Survey Fees as set forth in the Society's Rules, and,
in addition, any travelling and other expenses which may be incurred by the Surveyors in connexion
with the survey.

In no case can the vessel be classed until all fees, travelling expenses, &c., due thereon are paid.

This request is made upon the terms of the Rules and Regulations of Lloyd's Register of Shipping,
which provide that:—

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed,
it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be
held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register
Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member
thereof, or the Surveyors, or other Officers or Agents of the Society."

No. 1249 in Builder's Yard. Manufacturers of Engines Amos & Smith Ltd, Hull
Hull Auth
30/9/41
Ditto of Boilers " " " " " "
FOR COCHRANE & SONS LTD.
Signature L. M. Cochrane DIRECTOR.
To the Secretary,
Lloyd's Register of Shipping,
71, Fenchurch Street, London, E.C.3. Ad

014242-014252-0386

0585 2/2

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	Two		Stringer Plate, breadth and thickness in way of Bridge		
ACCOMMODATION FORWARD			Thickness of Plating abreast Deck openings in way of Wells		
in 'tween Decks, Size and Spacing	2 1/2" DIAR-42"		Thickness of Plating abreast Deck openings in way of Bridge		
"			Thickness of Plating within line of openings		
"			If Sheathed, material and thickness		
in Holds			Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness		
Stiffeners and Spacing			If Plated, state thickness		
Plating, thickness of			Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	60 x 35		Poop Deck.		
" " " " in way of Bridge			Stringer Plate, breadth and thickness		
" Angle in Wells	3 3 35				
Thickness of Plating abreast Deck openings in way of Wells	30				
Thickness of Plating abreast Deck openings in way of Bridge	35				
Thickness of Plating within line of openings	30 - 25				
If Sheathed, material and thickness					
Second Deck.					
Stringer Plate, breadth and thickness in Wells					

SCANTLINGS.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
	AMIDSHIPS.		FORWARD.		
	Breadth.	Thickness.	Thickness.	Thickness.	
GARBOARD	Inches.	Inches.	Inches.	Inches.	
Flat Plate Keel	37	34	34	34	
" Dblg. (if any)					
Bottom Plating, No. of Strakes	57	32	30	30	
Bilge Plating, No. of Strakes	57	32	30	30	
Side Plating, No. of Strakes	56 1/2	34	30	30	32
Upper Deck, Sheer-strake in Wells	42	40	35	35	
Upper Deck, Sheer-strake in Bridge					
Strake below Sheer-strake in Wells	55 1/2	35	30	30	
Strake below Sheer-strake in Bridge					
Poop Side Plating					
Bridge Side Plating					
Forecastle Side Plating					

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	4
" 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	Rolled	7" x 1 1/4"		6 1/2" x 1 1/4"
STEM	"	7" x 1 1/4"		6 1/2" x 1 1/4"
STERN FRAME	Propeller Post	Forged 5 1/2" x 2 1/2"	T.S. FORSTER	
	Rudder	" 5 1/2" x 2 1/2"	& SONS LTD.	
Speed of Vessel		11 knots		
RUDDER—Type		Single plate		
" A x D		82.5		
" Diam. of head		5 5/8"		
" Mainpiece at top pintle		5 1/2"		
" " heel		4"		
" how constructed		Forged & built		
" double or single plate		Single		
" coupling, vertical or horizontal		Horizontal		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second ON FRAME	375	6" x 3 x 40	30"		
" " Third	13	5" x 3 x 34 1/2	30"		
" " Hold	41	4" x 3 x 30 1/2	30"		
" " " "	41	34 x 26	4 x 3 x 38-30	24" x 30"	W.T. FLAT.
COLLISION (in Hold)	55	34 x 26	3 x 3 x 38-30	24"	PEAK TANK TOP
AFTER PEAK	5	43 x 30	4 x 3 x 30 1/2	24"	STEEL FLAT.

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

G.R. 130.

GLASS CONTEMPLATED.

(LLOYD'S REGISTER.)

VESSELS OF 100 TONS AND UPWARDS.

These particulars are supplied by the Registrar General of Shipping and Seamen for the sole use of Lloyd's Register of Shipping.

Signal Letters (if any) M.P.T.D. ✓



Official Number.	Name of Ship.	No., Date, and Port of Registry.					
168788 ✓	EMPIRE PAT	11 in 1942 Goole ✓					
No., Date, and Port of previous Registry (if any).							
Whether British or Foreign Built.	Whether a Sailing, Steam, or Motor Ship, if Steam or Motor Ship how propelled.	Where Built.	When Built.	Name and Address of Builders.			
British	Steam Ship Single Screw	Selby	1942	Cochrane & Sons Ltd., Selby.			
Number of Decks	One	Length from fore part of stem, to the aft side of the head of the stern post		Feet.	Tenths.		
Number of Masts	Two			105	2 ✓		
Rigged	Not	Main breadth to outside of plank		26	6.5		
Stem	Straight	Depth in hold from tonnage deck to ceiling amidships		12	2.5		
Stern	Counter	Depth in hold from upper deck to ceiling amidships, in the case of three decks and upwards		-	-		
Build	Clencher	Depth from top of deck at side amidships to bottom of keel		-	-		
Framework and description of vessel	Steel Screw Tug	Round of beam		-	6.2		
Number of Bulkheads	Four. Watertight	Length of engine room, if any		49	0		
Particulars of propelling Engines, etc. (if any), and Water Ballast Tanks, as supplied by Builders, Owners, or Engine Makers.							
No. of sets of Engines.	Description of Engines.	Whether British or Foreign Made.	When made.	Name and address of makers.	Reciprocating Engines.	Rotary Engines.	N.H.P. B.H.P. I.H.P. Estimated Speed of Ship.
One	Steam Reciprocating Vertical Triple Expansion	Engines. British	Engines. 1942	Engines. Amos & Smith Ltd., Engineers, Hull	No. and Diameter of Cylinders in each set. Three 15"	Length of Stroke 27"	132 750 850
No. of Shafts.	Particulars of Boilers						
One	Scotch Single ended type	Boilers. British	Boilers. 1942	Boilers. Amos & Smith Ltd., Engineers Hull.	25"	42"	11½ knots
	Number One						
	Iron or Steel Steel						
	Loaded Pressure 200 lbs per sq inch						
Number of water ballast tanks, and their capacity in tons :— 1 - 5 tons							

014242-014252-0387

[P.T.O.]



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Lloyd's Register Foundation

014242-014252-0389

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 in dealing with sister vessel under construction

The following reports are enclosed herewith:-

Stem frame. Sld. Rpt. No 6869.
Rudder frame & rudder head. " " " 6963.

This is a sister vessel to Messrs Bocheane & Sons yard No 1244- Hull Rpt No 51665.

"EMPIRE GOBLIN"

PARTICULARS OF TONNAGE.

GROSS TONNAGE.	No. of Tons.	DEDUCTIONS ALLOWED.	No. of Tons.
Under Tonnage Deck	226.11	On account of space required for propelling power	247.07
Space or spaces between Decks		On account of spaces occupied by Seamen or Apprentices, and appropriated to their use, and kept free from Goods or Stores of every kind not being the personal property of the Crew.	42.00
Turret or Trunk		These spaces are the following, viz. :-	
Forecastle		Below deck forward & aft on upper deck	
Bridge space		(Number of Seamen or Apprentices for whom accommodation is certified 12)	
Poop or Break	21.67	Deductions under Section 79 of the Merchant Shipping Act, 1894, and Section 54 of the Merchant Shipping Act, 1906, as follows :-	
Side Houses		Masters Accommodation 3.82	
Deck Houses		Wireless Telegraphy space .58	8.48
Chart House		Boatswains Store 2.83	
Spaces for Machinery, and light, and air, under Section 78 (2) of the Merchant Shipping Act, 1894	26.71	Water Ballast Spaces 1.25	
Excess of Hatchways		Cubic Meters.	
Gross Tonnage	274.49	776.81	
Deductions, as per contra	295.55	842.07	
Register Tonnage	nil	nil	297.55

NOTE 1.—The tonnage of the engine room spaces below the Upper Deck is 114.47 tons, and the tonnage of the total spaces framed in above the Upper Deck for propelling machinery and for light and air is 31.91 tons.

NOTE 2.—The undermentioned spaces above the Upper Deck are not included in the cubical contents forming the ship's register tonnage.

Note. 3. If and when employed for the carriage of passengers, cargoes, or stores, or using graving docks or dry docks or places provided for the repairing of vessels, the register tonnage on which dues based on register tonnage may be levied by any harbour or dock authority is 100.80 tons.

Name of Master

Certificate of { Service No. Competency No.

No. of Owners

Name, Residence, and Description of Managing Owner if there are more owners than one.

His Majesty/represented by the Minister of War Transport, London.

Number of Sixty fourth shares Sixty four

Manager: Harold B. Mylchreest of 154, Fenchurch Street, London, E.C.3.

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Dated 20th August, 1942.

1569 Wt 29717/985 1m 10/41 F A Gp 744

NO. and Material of Decks

Parts of Bottom of Vessel coated with cement or approved composition

Bottom cemented from bilge to bilge.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	8'4"	5
Double bottom, under Engines and Boilers,			After peak tank,	9'2"	20
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 3299

Date 22nd Oct. 1941

Dates of Surveys held while building

1942:- Jan. 27. 30. Feb. 4. 6. 10. 16. 24. 27. March 3. 4. 11. 16. 18. 20. 25. 30. April 3. 10. 14. 17. 21. 24. 28. May 1. 5. 8. 12. 15. 20. 22. 26. 29. June 3. June 12. 17. 24. 29. July 2. 6. 10. 15. 29. Aug. 1. 5. 10. 14. 18. 20. 22.

Total No. of Visits 49