

With or Without
Disconnected Erections.

STEEL STEAMER.

WED. 23 JUL. 1919

Date of completion of report
Survey held at

22nd July, 1919

Port of Sunderland

No. 27569

Date, First Survey

Sept. 13th 1918

Last Survey

July 18th

1919

On the (State of Single, Twin, or Triple Screw)

Single Screw Steamer

CLASS 100A.1

FEET.

Master

Rig

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

TONNAGE under

Do. between Tonnage Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Gross Tonnage

Less Crew Space

Less above Crown of

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of

Transverse Number

Length on deck from fore part of stem to after part of

Longitudinal Number

Depth "d," at middle of length (See Secs. 2 & 13)

Proportions—Depths to Length—Upper Deck Beam at

Do. " " Long Bridge Deck

Do. " " Beam at side to top of keel

Tonnage

Beam

on Deck

Rule

BREADTH—

Moulded

DEPTH, ACTUAL—

Top of Floors to top of Upper Dk. Beams

Do. do. Second Dk. Beams

Do. do. Moulded depth, ft.

Do. do. To Bridge Dk.

Do. do. Round of Upper

Do. do. Dk. Beam, Actual

Do. do. 1 1/2 ins.

Length

Breadth

Depth

FRAMING.

Angles, or Bars amidships

Peaks

Way of Double Bottoms at Solid Floors

at intermdt. Bkts.

Frames from centre to centre amidships

length to Collision bulkhead

in peaks

USED FRAME, Angles

Way of Double Bottoms at Solid Floors

at intermdt. Bkts.

ING, depth of girder

RS, depth and thickness of Floor Plate

at mid-line for 1/2 length amidships

in way of Engine and Boiler Spaces

thickness at the ends of vessel

depth at 1/2 the half breadth, as per Rule

height extended at the Bilges

RS in Cell, Double Bottoms

state if flanged (top & bottom)

Spacing of Solid floors

RE GIRDER, in Dbl. bottom, dpth. & thickness

Angles, Top

Bottom

to Floors

Brackets at intermdt. frmg. with & thkness

GIRDERS, number on each side & thickness

state if flanged (top and bottom)

Angles (top and bottom)

to Floors

GIN PLATE, depth (exclusive of flange)

and thickness

Angle to Outside Plating

Floors

brackets at intermdt. frmg. with & thkness

Height of Outside Brackets above at bilge

R BOTTOM PLATING, breadth and

thickness of Middle Line Strake

in Engine and Boiler space

Remainder in Holds

US, Upper Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

In way of Long Bridge

Spacing

US, Second Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

Spacing

US, Third and Fourth Deck, Single Angle

Bulb Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

US, Poop Deck, Angle, Bulb Angle, Plate

Tee Bulb, or Channel

Angles on upper edge

Spacing

US, Bridge Deck, Angle, Bulb Angle, Plate

Tee Bulb, or Channel

Angles on upper edge

Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle

Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

PILLARS.

PILLARS In

Hold

Quarter 'tween Dks.

in Hold

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plates above

floors, Through Plate, or Intercoastal Plate

Rider Plate

Flat Plate Keel Angles

Horizontal Plates on Floors

Angles or Bulb Angles

SIDE KEELSONS, Number

Angles or Bulb Angles

Plate above floors, for

Intercoastal Plate, for

Attached to outside Plating with Angle

BILGE KEELSON, Angles

Intercoastal Plate, for

Attached to outside Plating with Angle

SIDE STRINGERS, Number

Angle

Intercoastal Plate, for

Attached to outside plating with Angle

Upper Deck Stringer Plate, br'dth & thickness

(clear of Bridge)

br'dth & thickness

(in way of Bridge)

Angle (clear of Bridge)

Tie Plate at sides of Hatchways

Deck, Iron or Steel, for

Thickness (clear of Bridge)

(in way of Bridge)

Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck, Iron or Steel, for

Wood Deck, Material & thickness

Third Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, Material and thickness

Fourth and Fifth Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck, Material & thickness

Poop Deck Stringer Plate, breadth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Forecastle Deck Stringer Plate, br'dth & th'kns

Angle on ditto

Tie Plates

Deck, Material and thickness

If Iron or Steel Deck, state if single or bare, and if Wood Deck is laid thereon.

[illegible]

EQUIPMENT No. 24981			LETTER U			ANCHORS.			TONNAGE U.DK. OR PLATING No. FOR TRAWLERS		
Number of Certificate	Anchor.	WEIGHT, EX. STOCK	WEIGHT OF STOCK	TEST, PER CERTIFICATE	WEIGHT REQUIRED BY TABLE 31.	Description of Anchor	Makers.	Where and when tested and Superintendent.			
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwt. qrs. lbs.	Cwts. qrs. lbs.						
24425	1st Bower	46 0 0	39 17 2	39 17 2	45 0 0	Byrie's Stockless	not stated	S. Lad 15.7.19 L. Hoffman.			
24421	2nd "	44 1 14	38 17 0	38 17 0	45 0 0	"	"	14.7.19			
24426	3rd "	38 1 0	34 13 0	34 13 0	38 0 0	"	"	13.7.19			
	4th "										
	Collective weight.	128 2 14			128 0 0						
31664	Stream	12 2 16	14 18 1	14 18 1	12 0 0	ordinary					
31661	Kedge	5 2 8	7 18 1	7 18 1	5 2 0		not stated	Cadby / 14th 21.5.19 S.C. Paul.			

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

1st Bower **28-0-21. M.C. 12222. 30.7.19.**
2nd " **25-3-21. M.C. 12408. 23.7.19.**
3rd " **25-2-14. M.C. 12229. 25.7.19.**
4th "

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and Size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire Towline.	Length and Size per Table 31.				
	Length. Diam.	Stations. Break- ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons. Fathoms. Ins.	Length. Cir.				
11993	270 1 1/2	4 1/2	5 1/2 x 7 5/16-1-14	270 1 1/2	Standard 1. Blomberg & Sons	S. Lad 20.5.19 L. Hoffman		TOWLINE	100 4	33 100 4					
								HAWSERS & WARPS	20 90 2 1/2	13 1/2 90 2 1/2					
									20 90 2 1/2	9 1/2 90 2 1/2					
									30 90 6						
Iron-Stream Chain or Steel Wire	90 1 1/2	35		90 1 1/2											

Boats 4 lifeboats 22-0. **Steering Gear, Steam** John Ryan & Co. **Steering Gear, Hand** none. 22' 6" 1/2 of steering gear.
Pumps, Number none. **Diameter of Barrel** State whether they are in efficient working order
Windlass is Steam by Clarke, Chapman & Co. **Capstan** none.
Engine Room Skylights.—How constructed? *Steel plates and angles.* What arrangements for deadlights in bad weather? *Steel plates and bulls eyes.*
Coal Bunker Openings.—How constructed? *Steel plates and angles.* How are lids secured? *lumpsum and draft* Height above deck? *30.*
Number of Scuppers, and numbers and dimensions of **Freeing Ports, &c.** *Six on each side. Eight wash ports on each side 3-0 x 1-5 1/2.*
Ceiling in Holds, thickness and material. *2 1/2 on tank top in main hold, 2 1/2 on bilge.* **Cargo Battens,** thickness and material. *2 white wood.*
Cargo Hatchways.—How formed? *Steel plates and angles.* **Hatches,** If strong and efficient? *yes.*
State size No. 1 Hatch (Forward) *26-6 1/2 x 18-0.* **No. 2 Hatch** *26-6 1/2 x 18-0.* **No. 3 Hatch** *26-6 1/2 x 18-0.* **No. 4 Hatch** *26-6 1/2 x 18-0.*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *few.*
No. of Breasthooks *four.* **No. of Crutches** *one.*
Bulwarks, height above deck and description *3-9. Steel plates 25 lbs. half plate 10 lbs.* **Main Rail,** material and size *6 x 3 x 4 flat half angle.*
The foregoing is a correct description.
Builder's Signature *John Ryan & Co.* **Surveyor's Signature** *Samuel Penhall.*
Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

Workmanship. Are the butts of plating planed or otherwise fitted? *yes.*
Is the riveted work properly closed? *yes.*
Are the liners between the frames and plates solid single pieces? *yes.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes.* Do any rivets break into or through the seams or butts of the plating? *a few.*
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes.*
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *yes.* State results of tests *satisfactory.*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *yes.* State results of tests *satisfactory.*
General Remarks (State quality of workmanship, &c.) *This vessel is of the Standard C type and has been built in accordance with the approved plans the Secretary's letters, as stated above, and to the Rules. The Donatou pump has not been fitted, as per the Secretary's letter dated 10-8-19. Transverse bulkheads on frames 37 and 84 were originally fitted as watertight bulkheads, but are now fitted with holes at the bilges for drainage purposes. The vessel is similar to the same builder's S.S. "Admiral Hamilton" S. Lad Report 12 24512. The following plans as fitted are forwarded: Mainship Section, Profile, Decks, and Ballast pipe plan. The vessel was placed in the Wear Commissioners Dry Dock, bottom and rudder cleaned, examined and coated. 2 lengths of bilge keel found buckled, 1 length removed, faired and re-fitted and 1 length partly renewed. Cause of damage not known.*

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ : : **22 JUL 1919**
Special Survey Fee £ 136 : 14 : 2
Travelling Expenses, if any £ : :
Received by me, *23/8/19 RBM*


Certificate to be sent to Date of issue *2/9/19.*

State whether the Vessel has been built under Special Survey *yes.*
I am of opinion this Vessel should be Classed *+ 100A1.*
With, or without Freeboard, as condition of Class *without*

Samuel Penhall.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE 29 JUL 1919*
Character assigned *100A1*

Shops and Co.
Wm. Sld.

+ Lm 6 719
F.D.


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Foundation

GENERAL REMARKS—(continued).

[Faint, mostly illegible handwritten notes and tables in the upper section of the form.]

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 22.91 ft., B.O.D. 10.0 ft., Bridge 98.0 ft., Forecastle 28.2 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated: no.

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) 1 DE (steel)

Official No. 136153; Signal Letters no. State if Machinery is fitted aft no.

How are the surfaces preserved from oxidation? Inside Cement in double bottom tanks, peaks and bilges. Cement work on floors, paint elsewhere. Outside paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors cellular.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>95.95</u>	<u>226</u>	Fore peak tank,	<u>20</u>	<u>113.</u>
Double bottom, under Engines and Boilers,	<u>38.79</u>	<u>133</u>	After peak tank,	<u>20</u>	<u>122</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>142.91</u>	<u>390</u>	Other tanks, if fitted,		
Total capacity of double bottom		<u>749</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 277.65 State whether the above have been tested as required by the Rules. yes.

Order for Special Survey No. 5369

Date 22.6.18

No. 282 in builder's yard.

Dates of Surveys held while building

1918. Apr. 13, 21, 24 Oct. 10, 17, 19, 21, 22, 23, 24 Nov. 5, 11, 19, 20, 25, 26, 30 Dec. 9, 17, 19, 20, 23, 31 Jan. 6, 9, 14, 29, 30
 Feb. 4, 7, 14, 19, 21, 28 Mar. 2, 11, 14, 17, 21, 28 Apr. 1, 8, 10, 11, 15, 16, 24 May 1, 5, 7, 12, 13, 22, 23, 27 Jun 2, 13, 24
 Jul. 3, 7, 8, 14, 16, 17, 18.

Surveyor's Signature Samuel P. Eushall

Total No. of Visits 66