

With or Without **WRECK SECTION** STEEL STEAMER.

Received at London Office FRI 22 OCT 1921

Disconnected Erections.

State if Report is also sent on the Machinery of the Vessel. *Yes*

Date of completion of report *25.10.21.* Port of *Sunderland* No. *28184*
Survey held at *Sunderland* Date, First Survey *17.10.1920* Last Survey *11 October 1921* **WRECK SECTION**

On the (State if Single, Twin, or Triple Screw) *Single Screw Steamer* **ZELO.** Rig *Schooner* No. *1921*
Master *G.H. Woodfield*

TONNAGE under Tonnage Deck... *2011.85*
Do. between Tonnage Dk. and 3rd and 4th Dk. *61.10*
Total under Upper Dk. *2011.85*
Do. of Poop *13.29*
Do. of ~~Bridge~~ *raised portions* *5.82*
Do. of Bridge House *85.10*
Do. of Forecastle Side houses *117.26*
Do. of Houses on Dk. *2294.42*
Do. of excess of Hatchways *119.49*
Do. above Crown of Engine Room *934.21*
Gross Tonnage *2294.42*
Crew Space *94.96*
above Crown of Engine Room
NAGE FOR FEES...
Engine Room
Navigation Spaces
Net Tonnage *1345.76*
cut on Beam
CLASS *100A1.*
Breadth (greatest moulded) *42.75*
Depth, at middle of length from top of keel to top of upper deck beams at side *22.00*
Transverse Number *4.75*
Length on deck from fore part of stem to after part of stern post *317.60*
Longitudinal Number *19919*
Depth "d," at middle of length (See Secs. 2 & 13) *18.91*
Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.96*
Long Bridge Deck Beam at side to top of keel *10.42*
Year of appointment *1921*
Built at *Sunderland*
When built *1921* **Launched** *1st Sept. 1921*
By whom built *S.F. Austin & Son Ltd.*
Owners *Pellon S.S. Co. Ltd.*
Managers
(Where necessary to be entered in Reg. Book.)
Residence *Newcastle-on-Tyne*
Port belonging to *Newcastle*

Destined Voyage *Coasting* **Surveyed while Building, Afloat, in Dry Dock** *UNDER SPECIAL SURVEY.*
Dimensions of Ship per Register, Length *308.0* breadth *43.0* depth *19.75*
DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams *19 9 1/2*
Do. do. do. do. Second Dk. Beams *19 9 1/2*
Moulded depth, ft. *29* ins. *6 1/2* To Bridge Dk. Round of Upper Dk. Beam, Actual *10 1/2* ins.
Moulded depth, ft. *22* ins. *0* To Upper Dk. Dk. Beam, Actual

FRAMING.				PILLARS.			
FRAME, Angles, or Bars amidships	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches in Ship.
Do. in peaks	9 3/2	4 1/2	9 3/2	" Hold	2 3/4	48	2 3/4
Do. in way of Double Bottoms at Solid Floors	6 1/2	3 3/5	6 3/5	" Quarter 'tween Dks.,			
" " " " " " " "	3 1/2	3 1/2	3 1/2	" in Hold			
spacing of Frames from centre to centre amidships	24		24				
" " " " " " " "	24		24				
" " " " " " " "	24		24				
REVERSED FRAME, Angles	3 1/2	3 1/2	3 1/2				
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2				
" " " " " " " "	3 1/2	3 1/2	3 1/2				
FRAME, depth of girder	9		9				
FLOORS, 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							
FLOORS in Cell. Double Bottoms	34	40 ES.	34				
" state if flanged (top & bottom)	NO		NO				
" Spacing of Solid floors	24		24				
ENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	37 x 46	56 BS.	37 x 46				
" Angles, Top	6	6	6				
" " Bottom	6	6	6				
" " to Floors	3 1/2	3 1/2	3 1/2				
" Brackets at intermdt. frmg., wdth & thcknss	ONE 34	44 BS.	ONE 34				
IDE GIRDER, number on each side & thickness	NO		NO				
" state if flanged (top and bottom)	3 1/2	3 1/2	3 1/2				
" Angles (top and bottom)	3 1/2	3 1/2	3 1/2				
" " to Floors	3 1/2	3 1/2	3 1/2				
MARGIN PLATE, depth (exclusive of flange)	40	50 BS.	40				
(LEVEL) " thickness	3 1/2	3 1/2	3 1/2				
" Angle to Outside Plating	3 1/2	3 1/2	3 1/2				
" " " " " " " "	3 1/2	3 1/2	3 1/2				
" Brackets at intermdt. frmg., wdth & thcknss	33		33				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	37	50	37				
" in Engine and Boiler space	E 100	50 B 52	E 100				
" Remainder in Holds	50		50				
BEAMS, Upper Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" In way of Long Bridge	24		24				
" Spacing	24		24				
BEAMS, Second Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" Spacing	24		24				
BEAMS, Third and Fourth Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" Angles on upper edge	24		24				
" Spacing	24		24				
BEAMS, Poop Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" Angles on upper edge	24		24				
" Spacing	24		24				
BEAMS, Bridge Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" Angles on upper edge	24		24				
" Spacing	24		24				
BEAMS, Forecastle Deck, Single Angle, Bulb	8	3	8				
" Angle, Plate, Tee Bulb, or Channel	6	3	6				
" Angles on upper edge	24		24				
" Spacing	24		24				

WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing. WEB-FRAMES, In E. & B. Space, No. & spacing. WEB-FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web-Frames, depth and thickness.

FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. for Propeller. RUDDER-A x D" Table 22. Speed. Main-Piece, diameter at head. at heel.

ANCHORS. TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS. LETTER C. EQUIPMENT No. 20766. WEIGH. EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

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 per Table 31. Breaking Test of Steel Wire. Length and Size per Table 31.

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Double or Treble and for what Length. Rivets. STRAPS. IF LAPPED.

FRAMES extend in one length from centre line to bilge. REVERSED FRAMES on floors. MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Yards and Remainder of Spars. Riggings, Material and Size, Shrouds. Sails.

James Dickie, Surveyor to Lloyd's Register of Shipping. 10001. 10.21.21. 10001. 10.21.21. 10001. 10.21.21.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28.0 ft., R.Q.D. ✓ ft., Bridge 64.0 ft., Forecastle 29.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

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 should appear in the Register Book) 1 dk (SK).

Official No. 145454; Signal Letters ✓

State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside cement & paint 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,	76.0	188	Fore peak tank,	24.0	115
Double bottom, under Engines and Boilers,	40.0	134	After peak tank,	16.0	65
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, (AT SIDES OF TUNNEL)	22.0	73
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, (IN ENGINE SPACE, STAR 22)	18.0	110
Double bottom, forward,	112.0	279	Other tanks, if fitted, (DEEP TANK, IN ENGINE SPACE, B.T.)	14.0	72
Total capacity of double bottom		601	(If necessary, furnish further information by sketch.)	✓	✓

* The wells are not to be included in the lengths of the tanks 28

State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 5442

Date 21. 4. 19.

No. 293 in builder's yard.

DATES OF SURVEYS held while building

1920. Mar. 17. 22. 29. Apr. 9. 15. 21. 26 May. 4. 12. 18. June 16. 30. July. 7. 12. 15. 21. 27 Aug. 4. 9. 17. 31
 Sep. 16. 24. Oct. 1. 6. 12. 14. 18. 21. 28 Nov. 4. 8. 10. 16. 24. Dec. 26. 7. 9. 10. 21. 22. 1921. Jan. 6. 7. 11. 14. 21.
 Feb. 29. 10. 11. 15. 17. 18. 24. Mar. 1. 2. 7. 9. 15. 16. 23. Apr. 1. 7. 13. 19 May 9. June 9. July. 14. Aug.
 22. 31. Sep. 28. 29. 30. Oct. 3. 4. 11

Total No. of Visits 80

Surveyor's Signature

James Dickie

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