

Awning or Shelter Deck,
or Pl. Awning Deck.

STEEL STEAMER.

1916

No. 69097

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

Port of Newcastle-on-Tyne Date of completion of Report

August 1916 Received at London Office

Survey held at Walker-on-Tyne Date, First Survey

12th August 1916

On the (Single, Double, or Triple) Screw Steamship

"Southern"

Rig Fore & aft schooner.

TONNAGE under Tonnage Deck...

CLASS 100 A.1. Shelter Dk.

Master J. J. Courtney.

Do. between Tonnage Dk. and 2nd, 4th, or Awning Dk.

Breadth (greatest moulded) 51.75

Year of Appointment 1905

Total under Upper Dk. 5466.34

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 36.58

Built at Walker-on-Tyne

Do. of Poop

Deduct height of 'tween deck when this does not exceed 8ft. 27.58

When built 1916 Launched 21st March 1916

Do. of B. Gr. Dk.

Transverse Number 79.33

By whom built W. Dobson & Co.

Do. of Bridge House

Length on deck from fore part of stem to after part of sternpost 400.0

Owners Harris & Dixon Ltd.

Do. of Forecasts

Longitudinal Number 31.732

Managers D. D.

Do. of Houses on Deck 129.18

Depth "d" at middle of length. See Secs. 2 & 13. 22.98

Residence 81. Gracechurch St. London, E.C.

Do. of excess of Hatchways 46.66

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.24

Port belonging to London

Do. above Crown of 51.35

Destined Voyage U.S.A. via S. Maguire

Surveyed while Building, Afloat, or in Dry Dock Built under Special Survey.

Age 5698.53

Do. of excess of Hatchways 46.66

Do. of excess of Hatchways 46.66

FEES 5486.98

Do. of excess of Hatchways 46.66

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Room 1192.78

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WEB FRAMES.

WEB FRAMES, In Fore Body, No. and spacing

brdth. & thickness

No. of Side Stringers

WEB FRAMES, In E. & B. Space, No. & spacing

brdth. & thickness

WEB FRAMES, In After Body, No. and spacing

brdth. & thickness

No. of Side Stringers

Size of Face Angles to Web Frames

BRACKET PLATES to Stringers between

Web Frames, depth and thickness

BULKHEADS.

Number.

Thickness.

STIFFENERS.

Single or Double Frames.

Height up, state deck.

W.T. BULKHEADS

6

6

13.2

Single

U.D.

after Peak.

" COLLISION "

PARTITION

LONGITUDINAL

30

U.D.

Are the outside Plates doubled two spaces of Frames in length?

Are the Sluice Valves and Watertight Doors in efficient working order?

FORGINGS or CASTINGS.

Inches in Ship.

Inches per Rule. Or as Approved.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER-A x D Table 22. Speed 1/2 Knots.

Main-Piece, diameter at head

at heel

RUDDER, how constructed

Thickness of Plates or Single Plate

Can the Rudder be unshipped afloat?

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?

Has the Steel been tested as required by the Rules?

PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

EDGES, Ordinary or Joggled?

RIVETING.

BUTTS.

IF LAPPED.

STRAKES.

AMIDSHIP.

FORWARD.

AFT.

AMIDSHIP.

Single or Double.

Breadth of Lap.

RIVETS.

Double or Treble and for what Length.

RIVETS.

STRAPS.

IF LAPPED.

FLAT PLATE KEEL

GARBOARD or A Strake

State actual thickness in way of Double Bottom.

B

C

D

E

F

G

H

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF FLAT PLATE KEEL

Sheerstrakes

Length and thickness.

POOP SIDES

SHORT BRIDGE SIDES

FORECASTLE SIDES

Awning or Shelter Deck

Stringer Plate

Upper Deck

Stringer Plate

FRAMES extend in one length from

REVERSED FRAMES on floors and frames extend from

Ordinary floors flanged 3 1/2 in lieu on reverse bulk.

MASTS, SPARS, &c.

Material.

Actual Total Length.

DIAMETER AND THICKNESS.

No. of Plates in round.

ANGLES.

RIVETING.

Fore

Main

Mizen

Lower Masts

Bowprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

Centre Line

Frames O.A. in two or three approved plan

Centre line to margin plate in engine room only

State if ordinary or joggled

State if ordinary or joggled

Stay

Shrouds spread

Sails, and the following spare sails

Form No. 1B.

MON. AUG. 28. 1916

EQUIPMENT No. 3445 LETTER <i>y.</i>				ANCHORS.				* Mechanical Tests:—				D. D. Williamson 30-9-15 3-15					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
22202	1st Bower *	58	0	0	Stockless	47	5	0	0	57	0	0	0	Byers Stockless	Not Shaped	J. P. H. L. 21.3.8.15	
22234	2nd "	57	0	0	D°	46	2	2	0	57	0	0	0	D°	D°	J. H. B. 23.9.15.2.8.15	
22236	3rd "	56	3	0	D°	46	9	1	14	56	2	0	0	D°	D°	21.9.15 D°	
	Collective weight	171	3	0						170	2	0	0				
22129	Stream ...	16	2	0	4	1	21	17	16	1	0	16	1	0	Common	H. D. Parker & Co.	D° 29.6.15. D°
22130	Kedge	7	0	14	1	3	7	9	7	0	21	7	0	0	D°	D°	D° D°

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and Size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms 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.	Fathoms and size per Table 31.	
	Length.	Diam.		Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.
12073	Fathoms 270	Ins. 3	Tons 86.8	Cwts. qrs. lbs. 650.0.0	Cwts. qrs. lbs. 645.3.0	Fathoms 270	Ins. 3	Stud H. P. Parker & Co. J. P. H. L. 21.3.8.15	J. P. H. L. 21.3.8.15	TOWLINE Wire	Fathoms 120	Ins. 3	Tons 4.4	Fathoms 120	Ins. 3
								Link Tipton.	29.6.15. A. Green.	HAWSERS & WARPS	90	2 3/4	15 1/2	2.90-8	
										"manilla 2-90-7"	2.90-7			2.90-7	
Iron—Steam Chain—or Steel Wire...	90	Cir. 3 1/4	47	-	-	90	Cir. 3 1/4	Steel Wires Certified by Hood, Haggie & Son Ltd.							

Boats 2 Lifeboats 24'-0" x 8'-0" 2 Lifeboats 24'-0" x 8'-0" 2 Lifeboats 24'-0" x 8'-0" 2 Lifeboats 24'-0" x 8'-0"

Pumps, Number One ordinary Downton type to fore. Diameter of Barrel 6" 4" State whether they are in efficient working order *Yes.*

Windlass is Emerson Walker & Thompson Capstan Iron & Steam windlasses.

Engine Room Skylights.—How constructed? *Steel plates & gables.* What arrangements for deadlights in bad weather? *Steel plates & bulls eyes.*

Coal Bunker Openings.—How constructed? *Steel plates & gables.* How are lids secured? *Bolts & cleats.* Height above deck? *2'-6"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Six scuppers each side. No freeing ports.

Ceiling in Holds, thickness and material Pine 2 1/2" under hatchways & over cargo bunnings, thickness and material 6" x 2" in holds only (Pine)

Cargo Hatchways.—How formed? *Usual construction plates & gables.* Hatches, if strong and efficient? *Pine 3"*

State size No. 1 Hatch (Forward) 3'-6" x 18'-0" **No. 2 Hatch** 3'-6" x 18'-0" **No. 3 Hatch** 3'-6" x 18'-0" **No. 4 Hatch** 3'-6" x 18'-0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Six webs in each hatchway. No fore & afters.

No. of Breasthooks Eight **No. of Crutches** Deep. Floors.

Bulwarks, height above deck and description 3'-6" x 3'-0" Steel & Stanchions & Rail Main Rail and Stays, material and size 6" x 3" x 7/8" @ Bulwarks.

The foregoing is a correct description.

Builder's Signature (here only) *William Dobson & Co.* **Surveyor's Signature** *J. S. Shute* *M. Suddon*
Surveyor to Lloyd's Register of British and Foreign Shipping.

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

M-3rd Dec^r 1914. M-19th Dec^r. M-24th Dec^r. M-8th Jan^y 1915. M-4th Jan^y. M-11th Feb^r 1916. M-8th Aug^t 1916**Workmanship.** Are the butts of plating planed or otherwise fitted? *Planed & overlapped.*Is the riveted work properly closed? *Yes.*Are the liners between the frames and plates solid single pieces? *Frames joggled.* 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? *Very few.*Are the butts of Plating, Stringers, &c., properly shifted and strapped & overlapped? *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 has been constructed in accordance with the approved plans. The Secretary's Letters as mentioned above & in other respects in compliance with the requirements of the Rules for a Shelter Dth vessel. The material & workmanship are good. The freeboard assigned in the Secretary's Letter dated 10th August 1916 has been duly marked & verified on the vessel's side. Newcastle Report No 67024. After completion the vessel was placed in dry dock. The bottom examined & found satisfactory.*

The approved plans (Tin number are enclosed).

This vessel is a duplicate of the same Builders No 18778. S.S. "Willaston" (Newcastle Report No 66701) & S.S. "East Wales" (Newcastle Report No 67424). The main structure is as constructed in the latter case, with the exception that a centre line bulkhead has been fitted instead of wide spaced pillars & girders. The vessel has a complete Shelter Dth as in case of the S.S. "Willaston" without a tonnage opening. Two cattle doors are fitted on each side of Shelter 'ween decks, which did not exist in either No 18778.

The Surveyor should state the Number, Report and Name of any Sister Vessel built or Yard Number of any building.

Fees applied for,

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee... £ 162 : 3 : 6

Travelling Expenses, if any £ : : :

AUG 28 1916

Received by me,

19. 9. 1916 29/9/16

Certificate to be sent to

NEWCASTLE-ON-TYNE

Date of issue

20.9.16

State whether the Vessel has been built under Special Survey *Yes.*I am of opinion this Vessel should be Classed *100 A. 1. Shelter Dth.*

With, or without Freeboard, as condition of Class

J. S. Shute

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE 29 AUG. 1916

Character assigned

100 A. 1.

Shelter Dth as built.

Cargo bunnings not fitted in Shelter Dth 'ween decks.

Links A & B.

29.9.16

J. D.

GENERAL REMARKS—(continued).

The pumping arrangements are the same as approved for the previous duplicate vessels No. 18778. As the yard is closed for the hot it has not been possible to obtain a copy of this plan, but a print will be forwarded as soon as work is resumed.

The approved plans for the cattle doors (2 in number) should returned for the construction of the duplicate vessel No. 197.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. *Complete Shelter Deck*

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 Dth (Sth) + Shelter Dth (Sth) + Deck Framing. Cargo Batten*
 Official No. *189144*; 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

Where Fitted.	*Length, Feet.	Water Capacity, Tons.	Where Fitted.	*Length, Feet.	Water Capacity, Tons.
Double bottom, aft,	130.5	370	Fore peak tank,	-	102
Double bottom, under Engines and Boilers,	22.5	91	After peak tank,	-	136
Double bottom, if under Engines only,	18.0	626	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	180.0	626	Deep tank, forward,	-	-
Double bottom, forward,	Total capacity of double bottom	1087	Other tanks, if fitted,	-	-

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

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

Order for Special Survey No. *4854*

Date *28.11.1914*

No. *192* in builder's yard.

DATES OF SURVEYS held while building

1914
 Dec. 18. 30 Jan. 6. 8. 13. 21. Feb. 13. 19. 23. Mar. 2. 4. 12. 15. Apr. 8. 12. 14. 22. May. 4. 15. Jun. 3. 11. 17. 25.
 Jul. 7. 21. 28. Aug. 4. 6. 10. 18. 21. 25. 26. Sep. 8. 15. 20. 21. 24. 25. Oct. 1. 6. 11. 14. 15. 18. 20. 26. 29. Nov. 1. 15. 16. Dec. 7. 13. 15. 30 Jan. 11. 14. 18. 21. 25. 26. Feb. 4. 5. 12. Mar. 7. 8. 10. 15. 17. 21. 24. 27. 28. Apr. 18. 22.
 May. 1. 3. 21. Jun. 20. Jul. 19. Aug. 5. 7. 29. 30. 12.

Total No. of Visits *89*

Surveyor's Signature *W. S. Shute*