

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office MON. -7 MAY. 1917

State if Report is also sent on the Machinery of the Vessel Yes - Hpl. Rpt. 15351.

Date of completion of report 4-5-17 Port of SUNDERLAND
Survey held at SUNDERLAND Date, First Survey 30-3-16 Last Survey 3-5-1917
On the S. S. LLANOVER Rig SCHOONER
Master W. ELLIS
Year of appointment 1917
Built at SUNDERLAND
When built 1917 Launched 7-2-17
By whom built W. M. PICKERSGILL & SONS L^{rs}
Owners THE LLANOVER STEAMSHIP CO
Managers EVAN THOMAS RADCLIFFE & CO
Residence CARDIFF
Port belonging to LONDON

er Tonnage 2671.48 Destined Voyage GOV. SERVICE If Surveyed while Building, Afloat, or in Dry Dock YES

GTH on Deck		BREADTH		DEPTH, ACTUAL		No. of Decks with flat laid	
per Rule		Moulded		Top of Floors to top of Upper Dk. Beams		No. of Tiers of Beams	
390	0	26	0	23	7	ONE	ONE

Moulded depth, ft. 34 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 ins.

Moulded depth, ft. 26 ins. 0 To Upper Dk.

Dimensions of Ship per Register. Length 390 breadth 53.3 depth 23.5

FRAMING.						PILLARS.					
						BRIDGE					
						PILLARS, In 'tween Deck, size and spacing					
NAME, Angles, or Bars amidships						" Hold					
" in peaks						" Quarter 'tween Dks.					
" in way of Double Bottoms at Solid Floors						" in Hold					
" at intermdt. Bkts.											
ing of Frames from centre to centre amidships											
" length to Collision bulkhead											
" in peaks											
VERSED FRAME, Angles											
" in way of Double Bottoms at Solid Floors											
" at intermdt. Bkts.											
AMING, depth of girder											
DOORS, depth and thickness of Floor Plate											
" at mid-line for 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											
DOORS in Cell. Double Bottoms											
" state if flanged (top & bottom)											
" Spacing of Solid floors											
NTRE GIRDER, in Dbl. bottom, dpth. & thcknss.											
" Angles, Top											
" Bottom											
" to Floors											
Brackets at intermdt. frmg., wdth & thcknss											
DE GIRDERS, number on each side & thickness											
" state if flanged (top and bottom)											
" Angles (top and bottom)											
" to Floors											
RGIN PLATE, depth (exclusive of flange)											
" and thickness											
" Angle to Outside Plating											
" Floors											
" Brackets at intermdt. frmg., wdth & thcknss											
" Height of Outside Brackets above at bilge											
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake											
" in Engine and Boiler space											
" Remainder in Holds											
AMS, Upper Deck, Single Angle, Bulb											
" Angle, Plate, Tee Bulb, or Channel											
" In way of Long Bridge											
" Spacing											
AMS, Second Deck, Single Angle, Bulb											
" Angle, Plate, Tee Bulb, or Channel											
" Spacing											
AMS, Third and Fourth Deck, Single Angle, Bulb											
" Angle, Plate, Tee Bulb, or Channel											
" Angles on upper edge											
" Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel											
" Angles on upper edge											
" Spacing											
BEAMS, 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											

KEELSONS & STRINGERS.			
CENTRE LINE KEELSON, Vertical Plate 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 length			
" Intercoastal Plate, for length			
" Attached to outside Plating with Angle			
BILGE KEELSON, Angles			
" Intercoastal Plate for length			
" Attached to outside Plating with Angle			
SIDE STRINGERS, Number			
" Angle			
" Intercoastal Plate, for length			
" 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 Full lng.			
" 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 lng.			
" 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, breadth & 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, b'dth & th'kns			
" Angle on ditto			
" Tie Plates			
" Deck, Material and thickness			

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

[illegible]

EQUIPMENT No. 33012				LETTER Y				ANCHORS.				TONNAGE U.DK. OR PLATING No. FOR TRAWLERS						
Number of Certificate.	Anchors.	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.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				
TTOTS	1st Bower ...	60	2	13				48	15	0	0	60	0	0	HARTSHORNES	HINGLEY & SONS	NET # 18-1-17. H. GREEN.	
TT062	2nd " ...	59	3	8				48	5	3	21	60	0	0	"	"	" 17-1-17 "	
TT063	3rd " ...	50	0	12				42	9	0	7	50	2	0	"	"	" " "	
	Collective weight.	170	2	5								170	2	0				
TT067	Stream	16	3	0	4	0	25	18	0	2	14	16	1	0	ORDINARY	HINGLEY & SONS NET # 18-1-17. H. GREEN		
TT069	Kedge.....	7	0	0	1	3	18	9	5	0	0	7	0	0	"	"	" 28-12-16 "	

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.		Supplied.	Per Rule.						Length.	Diam.		Length.	Cir.	Tons.	Fathoms.	Inch.	Cir.
10148	Fathoms.	135	2 1/16	86 7/8	32T 2-0	645-5-0	210	2 1/16	SLO. 4-1-17. L. HAFFNER	FOR LINE	Fathoms.	120	4 1/4	120	4 1/4				
10149	"	135	"	"	32T 3-21	645-5-0	210	2 1/16	"	HAWSESWARPS	"	2-90	2 1/2	2-90	8				
Isen Stream (Chain-Wire) Steel Wire	"	90	4 1/4	✓	47		90	4 1/4			"	2-90	7		7				

Boats Two LIFEBOATS 24 FT ONE GIG 20 FT ONE DINGHY 16 FT Steering Gear, Steam YES Steering Gear, Hand YES

Pumps, Number ONE DOWNTON AND ONE HAND Diameter of Barrel 6" AND 5" State whether they are in efficient working order YES

Windlass is STEAM by EMERSON WALKER THOMPSON BROS Capstan ✓

Engine Room Skylights.—How constructed? STEEL PLATES AND ANGLES What arrangements for deadlights in bad weather? BULL'S EYES IN HINGED STEEL PLATES

Coal Bunker Openings.—How constructed? STEEL PLATES AND ANGLES How are lids secured? CLEATS, BATTENS, WEDGES etc Height above deck? 18"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. TWO SCUPPERS IN EACH WELL P.S. TWO F.P.'S IN EACH WELL P.S. 3'-0" x 1'-9"

Ceiling in Holds, thickness and material 2 1/2" W.W. Cargo Battens, thickness and material 9 x 1 1/2" W.W. ✓

Cargo Hatchways.—How formed? STEEL PLATES AND ANGLES Hatches, If strong and efficient? YES

State size No. 1 Hatch (Forward) 29-9 x 20-0 No. 2 Hatch 31-10 1/2 x 20-0 No. 3 Hatch 36-1 1/2 x 20-0 No. 4 Hatch 29-9 x 20-0

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch FIVE IN N° 1 AND 4, SIX IN N° 2, SEVEN IN N° 3.

No. of Breasthooks FOUR No. of Crutches DEEP FLOORS.

Bulwarks, height above deck and description 4 FT x .25 STEEL Main Rail, material and size 5 1/2 x 3-35 BULB ANGLE

The foregoing is a correct description.
Builder's Signature (there only) *[Signature]* Surveyor's Signature *Wagner*
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) M 22-5-15.

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED AND OVERLAPPED

Is the riveted work properly closed? YES

Are the liners between the frames and plates solid single pieces? JOGGLED PLATING 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 OR 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.)

The material and workmanship are good

The vessel has been built in accordance with the approved plans, the Secretary's letter, as dated above, and otherwise in compliance with the Rules of the Society.

Vessel "S.S. Elwood" Sld Rpt N° 26966

RETAIN

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 £ 5 : 0 : 0	Fees applied for, —4 MAY 1917	Certificate to be sent to SUNDERLAND Date of issue 25/6/17
Special Survey Fee.... £ 127 : 11 : 0	Received by me. <i>[Signature]</i>	
Travelling Expenses, if any £ :	24.5.17 253.17	

State whether the Vessel has been built under Special Survey YES

I am of opinion this Vessel should be Classed **A-100**

With, or without Freeboard, as condition of Class WITHOUT

Committee's Minute
Character assigned
100-A-1
Lloyd's A.C.P.
+ L.M.C. 5.17

Wagner
Surveyor to Lloyd's Register of Shipping.

GENERAL REMARKS—(continued).

Rpt. 4

Date of

YES

These particular

Signal Letters (if a

Official Number.

14029

No., Date, and Port of

Whether British or Foreign Built.

British

Number of Decks

Number of Masts

Rigged ...

Stern ...

Build ...

Galleries ...

Head ...

Framework and desc

vessel ...

Number of Bulkheads

Number of water ball

and their capacity i

Total to quarter the depth from to bottom of keel

No. of sets of Engines.

Description of En

Triple Exp

One surface co

No. of Shafts.

Particulars of B

Description (Multi

Number

Iron or Steel

Loaded Pressure

One

GROSS

Under Tonnage Deck

Space or spaces between

Turret or Trunk ...

Forecastle ...

Bridge space

Poop or Break

Side Houses

Deck Houses

Chart House

Spaces for machinery,

Section 78 (2) of the

1894

Excess of Hatchways

Gross Tonnag

Deductions, as per Cor

Registered T

NOTE 1.—The tonnage of t

Deck for propel

NOTE 2.—The undermentio

Bridge

Poop

Name of Mas

No. of Owners

Name, Residence, and

Llan

House

Henr

man

Dated 2nd

(830) (71265) Wt. 40422/

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.125 ft., R.Q.D. ✓ ft., Bridge 244.375 ft., Forecastle 35.375 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NOT JOINED

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 Dth STL

Official No. 140294 ; Signal Letters State if Machinery is fitted aft NO

How are the surfaces preserved from oxidation? Inside CEMENT AND PAINT Outside PAINT

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap Tons
Double bottom, aft,	125.375	365	Fore peak tank,		109
Double bottom, under Engines and Boilers,	42.5	187 1/2	After peak tank,		77
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,		✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		✓
Double bottom, forward,	170.0	640	Other tanks, if fitted,		✓
Total capacity of double bottom		1192 1/2	(If necessary, furnish further information by sketch.)		✓

* 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. 5221

Date 15.9.15

No. 193 in builder's yard.

Days of Surveys held while building

19.16 Mar 30. Apr 4. 13. 28. May 4. 10. 16. 25. 29. Jun 12. 19. 27. Jul 3. 10. 18. 24. Aug 2. 9. 30. Sep 6. 14. 19. 28. Oct 4. 11. 25. Nov 2. 8. 13. 23. 30. Dec 7. 13. 18. 20. 23. 28. Jan 4. 15. 22. 23. 26. Feb 2. 8. Mar 30. Apr 16. 23. 25. 30. May 2.

Total No. of Visits

Surveyor's Signature

W. A. G. C. I.

Lloyd's Register

Foundation