

WEB FRAMES.				FORGINGS or CASTINGS.				Inches in Ship.				Inches per R. le Or as Appr. ed.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness				Flat Plate Keel.							
" " " " brdth. & thickness				STEM, moulding and thickness				10" x 2 3/4"				10" x 2 3/4"			
WEB-FRAMES, In E. & B. Space, No. & spacing				STERN-POST for Rudder do. do.				9" x 7 1/2"				9" x 7 1/2"			
" " " " brdth. & thickness				" for Propeller				10" x 7 1/2"				10" x 7 1/2"			
WEB-FRAMES, In After Body, No. and spacing				RUDDER—A x D* Table 22. Speed 10 knots.				134.06 x 3.24 = 434.35.							
" " " " brdth. & thickness				" Main-Piece, diameter at head				9" 1				9"			
" No. of Side Stringers				" " " at heel				6 3/4"				6 3/4"			
Size of Face Angles to Web-Frames.....															
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....															
BULKHEADS.				STIFFENERS.				RUDDER, how constructed				Forged & built.			
Number. Thickness.				Horizontal. Vertical.				Thickness of Plates or Single Plate				.98"			
Vessels. Per Rule.				Size. Spacing. Size. Spacing.				Can the Rudder be unshipped afloat? Yes. Vertical Coupling.							
W.T. BULKHEADS				Single or Double Frames.				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							
E.R. = 42				Inches. Inches. Inches. Inches.				Plates, Plating, &c. Steel—(Kilnmen Process) Concrete;							
R. = 71				Inches. Inches. Inches. Inches.				Cargo Floor; Dorman's; Palmer's; South Durham.							
3.R. = 94				Inches. Inches. Inches. Inches.				Iron—South Durham.							
138				Inches. Inches. Inches. Inches.				Has the Steel been tested as required by the Rules? Yes.							
170				Inches. Inches. Inches. Inches.											
" COLLISION "															
PARTITION "															
LONGITUDINAL.															
Are the outside Plates doubled two spaces of Frames in length? Diamonds.															
Are the Staircase and Watertight Doors in efficient working order? Yes.															
PLATING.				25 1/2" frame spacing.				RIVETING.							
STRAKES.				PER RULE OR AS APPROVED.				EDGES Ordinary or Joggled?				BUTTS.			
AS IN SHIP.				AMIDSHIP.				RIVETS.				STRAIPS.			
Breadth. Thickness.				Breadth. Thickness.				Diam. Spacing or to cr.				Breadth. Thickness.			
Inches. Inches. Inches. Inches.				Inches. Inches.				Inches. Inches.				Inches. Inches.			
FLAT PLATE KEEL.....				2R. 6 3/4 1 1/8 4 1/2				4R. 1 1/8 4 1/2				16			
Girders or A Strake				" 5 1/4 7/8 3 1/4				" 7/8 3 1/2				12			
State actual thickness in way of Double Bottom.				" " " " " " " "				" " " " " " " "				" " " " " " " "			
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THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DECK OF FLAT PLATE KEEL				2R. 6 1 3 5/8 4R. 1 4				14							
" Sheerstrakes				" " " " " " " "				" " " " " " " "				" " " " " " " "			
Length and thickness.				" " " " " " " "				" " " " " " " "				" " " " " " " "			
POOP SIDES				1R. 2 1/2 3/4 2 7/8 2R. 3/4 2 5/8				5 full.							
SHORT BRIDGE SIDES				1R. 2 1/2 3/4 2 7/8 2R. 3/4 2 5/8				5 full.							
FORECASTLE SIDES				" " " " " " " "				" " " " " " " "				" " " " " " " "			
* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of															

Back Steel Head. Nos. 680 & 679 tested at Sunderland.

EQUIPMENT No. 32428				LETTER 3				ANCHORS.				TONNAGE U.K. 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.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.						
45391	1st Bower	61 2 14		44 3 3	0	60	0	0	0	0	0	0	0	Stockless.	S. Taylor & Son, Ltd. 30.10.15. C.E. Pennington
45392	2nd "	60 0 0		48 7 2	0	60	0	0	0	0	0	0	"	" " " " "	
45381	3rd "	52 0 24		43 15 2	14	50	2	0	0	0	0	0	"	" " " " 28.10.15. "	
	4th "														
	Collective weight.	173 3 10													
19705	Stream	16 1 0	14	17 11 3	14	16	1	0	0	0	0	0	Common.	S. Taylor & Son, Ltd. 28.9.15. L. Haffner.	
19706	Kedge	7 0 14	13 0	9 7 0	21	7	0	0	0	0	0	0	"	" " " " "	

CHAIN CABLES.										HAWSEERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	Supplied.	Per Rule.	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.	Length and size per Table 31.							
	Length. Diam.	Stat. Break. Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Length. Diam.					Length. Cir.	Length. Cir.	Length. Cir.							
8391	270 2 3/4	86 1/8	120 5/16	0.17.645.3.0.	270 2 3/4	Line.	S. Taylor & Son, Ltd. 29.9.15. L. Haffner.		TOWLINE	120 4 3/4	165 1/2	120 4 3/4							
									HAWSEERS & WARPS	2/90 3	18 1/2	2/90 8 1/2							
										90 2 3/4	15 1/2	2/90 7 1/2							
										4/90 8	Manila								

Boats Two 24ft. lifeboats. One 18ft. jolly boat. One 18ft. gig. Steering Gear, Steam R. Roger & Co. Steering Gear, Hand West Moor Eng'g Co.

Pumps, Number One vertical flywheel hand pump to bilge, and one hand pump to fore peak. State whether they are in efficient working order Yes.

Windlass is Emerson, Walker & Thompson Bros. Capstan ✓

Engine Room Skylights. How constructed? Steel. What arrangements for deadlights in bad weather? Steel flaps & bulls eyes.

Coal Bunker Openings. How constructed? Steel. How are lids secured? Cleats & battens. Height above deck? 31" (Bridge deck).

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 Scuppers and 4 Freeing Ports on each side. (F.P. = 30" x 15")

Ceiling in Holds, thickness and material 2 1/2" pine. At hatches & clumbers. Cargo Battens, thickness and material 2" pine. ✓

Cargo Hatchways. How formed? Steel plates & angles. Hatches, If strong and efficient? Yes. Solid.

State size No. 1 Hatch 27-7 1/2" x 20-0" No. 2 Hatch 12-9" x 18-0" No. 3 Hatch 12-9" x 18-0" No. 4 Hatch 12-9" x 18-0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Live at No. 1, 2, 4 & 5 Hatches. Two at No. 3 Hatch.

(No fore & afters.) No. of Breasthooks Seven. No. of Crutches Two & deep floors.

Bulwarks, height above deck and description 4' 3" steel plates. Main Rail, material and size 6 1/2" x 3" x 40" Bull angle.

The foregoing is a correct description. FOR WILLIAMS, GRAY & CO. LIMITED. Surveyor's Signature Jas W. Stuart.

Builder's Signature (here only) R. W. Dwyer. Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting this case. (Reference should be made in correspondence connected with the case) 1915. (M) March 22, 24. 30: April 29; May 4; November 9. 1915. (E) March 30.

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? 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 facing 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 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 built in accordance with the approved plans of Midship Section, Profile, Rudder, Pumping Arrangement, Painting Arrangement, Painting Stringer, Shell angles, Stiffening of Fore Peak Bulkhead, Strengthening of topsides and decks in wells, Steel Store Room in Bridge Space (9 plans altogether.) The Secretary's letter referred to above and in other respects in conformity with the Rules. (Separate plans of the Midship Section and Profile are forwarded herewith for filing with this Report.)

The materials and workmanship are good.

Vessel has been placed in Dry Dock and the Bottom and Rudder cleaned, examined and recoated.

Sister Vessel = S.S. "Hawker" - W. H. Rpt. No. 15157.

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

Special Survey Fee £ 127 : 17 : 6

Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey. Yes.

I am of opinion this Vessel should be Classed with 100 A1 Steel. Without.

With, or without Frictionboard, as condition of Class Without.

Certificate to be sent to W. Hanlepool. Date of issue 26-11-15

Jas W. Stuart.

Surveyor to Lloyd's Register of Shipping.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.1 ft., R.Q.D. — ft., Bridge 229.5 ft., Forecastle 36.2 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 as it should appear in the Register Book) One Deck. (Steel.)
Official No. 139100 ; 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 System

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	127.5	441	Fore peak tank,	/	130
Double bottom, under Engines and Boilers,	44.62	205	After peak tank,	/	/
Double bottom, if under Engines only,	/	/	Deep tank, aft,	/	/
Double bottom, if under Boilers only,	165.75	624	Deep tank, forward,	/	/
Double bottom, forward,	Total capacity of double bottom	1270	Other tanks, if fitted,	/	/
			(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. 2197
Date 20th March 1915
No. 861. in builder's yard.
DATES of Surveys held while building
1914 Dec 30 1915 Jan 7 13 14 19 27 Feb 15 18 24 Mar 1 3 5 10 11 15 17 25 29 31
Apr 7 16 19 27 30 May 5 10 14 21 28 June 1 3 10 16 24 July 1 6 13 16 23 27 Aug 10 12 18 20 24 27 Sep 1 3 17 22 Oct 1 6 11 13 20 26 Nov 2 4 5 6 8 9 11 12 16 17 19 20
Total No. of Visits 69

Surveyor's Signature

Jas W. Stuart