

# With or Without Disconnected Erections.

## STEEL STEAMER.

SAT. JUN. 6-1914

Received at London Office

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

Date of completion of report *S. 6. 14*

Survey held at *Stockton*

Port of *Middeleburgh on - Zee* No. *8476*

Date, First Survey *December 23<sup>rd</sup> 1912* Last Survey *June 2<sup>nd</sup> 1914*

On the (State if Single, Twin, or Triple Screw) *S. S. Portoven*

Rig *Schooner*

TONNAGE under *4558.08*

CLASS *+100A1*

FEET.

Master *H. E. Dalton*

Year of appointment (1) As Master in service of owner of present vessel: *1898*  
(2) As Master of this vessel: *1914*

Top Deck *4558.08*

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.O. Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage *4796.05*

Less Crew Space

Less above Crown of

Room

Room

ation Spaces

Beam

Tonnage *3019.63*

Breadth (greatest/moulded) *50.62*

Depth, at middle of length from top of keel to top of upper deck beams at side *30.33*

Transverse Number *80.95*

Length on deck from fore part of stem to after part of stern post *379.75*

Longitudinal Number *30740*

Depth "d," at middle of length (See Secs. 2 & 13) *26.83*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *12.5*

" " Long Bridge Deck Beam at side to top of keel *10.0*

Destined Voyage *Bristol Channel* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
Rule		Moulded			Top of Floors to top of Upper Dk. Beams			One
379	9	50	7 1/2		Do. do. do. do. Second Dk. Beams	27	11/4	No. of Tiers of Beams

ons of Ship per Register, Length *380.2* breadth *50.9* depth *28.0* Moulded depth, ft. *37* ins. *11 3/4* To Bridge Dk. Round of Upper Dk. Beam, Actual *13 1/8* ins.  
Moulded depth, ft. *30* ins. *4* To Upper Dk.

FRAMING.				PILLARS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved
E, Angles, or E or L Bars amidships	12	3 1/2	68	12	3 1/2	68	
n peaks	7	3 1/2	42	7	3 1/2	42	
n way of Double Bottoms at Solid Floors	3 1/2	3 1/2	438	3 1/2	3 1/2	438	
" " at intermdt. Bkts.							
of Frames from centre to centre amidships	25 1/2			25 1/2			
" " length to Collision bulkhead	24			24			
" " in peaks							
ISED FRAME, Angles	3 1/2	3 1/2	438	3 1/2	3 1/2	438	
n 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							
n 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	25 1/2			25 1/2			
IE GIRDER, in Dbl. bottom, dpth. & thknss.	42	5 1/2	4	42	5 1/2	4	
" Angles, Top	4 1/2	4 1/2	634	4 1/2	4 1/2	634	
" " Bottom	4 1/2	4 1/2	634	4 1/2	4 1/2	634	
" " to Floors	3 1/2	3 1/2	438	3 1/2	3 1/2	438	
Brackets at intermdt. frmg., wdth & thknss	24	3 1/2	36	24	3 1/2	36	
GIRDERS, number on each side & thickness							
" state if flanged (top and bottom)							
" Angles (top and bottom)	3 1/2	3 1/2	438	3 1/2	3 1/2	438	
" " to Floors	3	3	438	3	3	438	
IN PLATE, depth (exclusive of flange)	3 1/2			3 1/2			
and thickness	3 1/2	3 1/2	46	3 1/2	3 1/2	46	
" Angle to Outside Plating	3 1/2	3 1/2	438	3 1/2	3 1/2	438	
" " Floors							
Brackets at intermdt. frmg., wdth & thknss							
Height of Outside Brackets above at bilge	42			42			
BOTTOM PLATING, breadth and thickness of Middle Line Strake	60	5 1/2	4	42	5 1/2	4	
" " in Engine and Boiler space	5 1/2	5 1/2	18	5 1/2	5 1/2	18	
" " Remainder in Holds	4	4	34	4	4	34	
S, Upper Deck, Single Angle, Bulb	9	3 1/2	54	9	3 1/2	54	
Angle, Plate, Tee Bulb, or Channel	8 1/2	8 1/2	5	8 1/2	8 1/2	5	
In way of Long Bridge							
Spacing	25 1/2			25 1/2			
S, Second Deck, Single Angle, Bulb							
Angle, Plate, Tee Bulb, or Channel							
Spacing							
BEAMS, 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	6 1/2	3	4	6 1/2	3	4	
Angles on upper edge							
Spacing	24	25 1/2		24	25 1/2		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3	46	8 1/2	3	46	
Angles on upper edge							
Spacing	28 1/2			28 1/2			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	4	7	3	4	
Angles on upper edge							
Spacing	24	25 1/2		24	25 1/2		
				PILLARS.			
				PILLARS, In 'tween Deck, size and spacing			
				" " Hold	" "	" "	" "
				" " Quarter 'tween Dks.,	" "	" "	" "
				" " in Hold	" "	" "	" "
				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	6 1/2	3 1/2	5
				" Intercoastal Plate, for full length			
				" Attached to outside plating with Angle	3 1/2	3	42
				Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	57	6-42	57-34-6-42
				" " " " br'dth & thickness (in way of Bridge)	57	48	57-48
				" " " " Angle (clear of Bridge)	5x5	64	5x5-64
				" " Tie Plate at sides of Hatchways			
				" Deck * Iron or Steel, for full lng.			
				" " Thickness (clear of Bridge)	46	38	46-38
				" " (in way of Bridge)	4		4
				" 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, br'dth & thickness			
				" Angles on ditto, No.			
				" Tie Plates outside Hatchways			
				" Deck. Material & thickness			
				Poop Deck Stringer Plate, breadth & thickness	34	34	34-34
				" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2-34
				" Tie Plates			
				" Deck. Material and thickness	28	1	28-1
				Bridge Deck Stringer Plate, br'dth & thickness	51	51	51-51
				" Angle on ditto	4 1/2 x 4 1/2	51	4 1/2 x 4 1/2-51
				" Tie Plates			
				" Deck. Material and thickness	4		4
				Forecastle Deck Stringer Plate, br'dth & th'kns	34	34	34-34
				" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2-34
				" Tie Plates			
				" Deck. Material and thickness	3" PL Sheathing	26	3" PL Sheathing-26

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



[illegible]

EQUIPMENT No. 32030				LETTER X				ANCHORS.				TONNAGE U.D.K. OR PLATING NO. FOR TRAWLERS			
Number of Certificate.	Anchors.	WEIGHT OF STOCK		WEIGHT OF SECT.		TEST PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	Lbs.	Cwts.	Lbs.	Tons.	cwts.	qrs.	Lbs.				Cwts.	qrs.	Lbs.
21699	1st Bower ...	86	3 0	38	0 21	46	9 14	56	1 0	Byen Stockless	Per M.L. Byen	Low Walker 28.1.14 A.B. 200			
21704	2nd .....	86	1 0	37	3 7	46	3 0	14	56	1 0	" "	" " " " 28 " " "			
21713	3rd .....	47	3 14	30	2 10	41	0 3	21	47	2 0	" "	" " " " 28 " " "			
	4th .....										" "	" " " " " " "			
	Collective weight	160	3 14	Stack					160	0 0					
70683	Stream .....	48	0 12	3	3 23	16	12 0	21	15	0 0	Ordinary	H. Hingley Ham Rotten 30.1.14 H. Linn			
70684	Kedge .....	16	2 27	1	2 27	19	0 0	0	6	2 0	"	" " " " " " "			

  

MECHANICAL BUT IRON PIPES PRODUCED 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.		Length.	Cir.			
53783	135	2 8	81 1/2	113 3/4	206-0-20	609-2-14	270	2 1/2	Shed	Muthulom	TOWLINE	120	4 3/4	42	120	4 3/4			
53785	"	"	"	"	206-3-15	"	"	"	"	"	HAWSERS & WARPS	4090	7	"	4090	7			
Iron Stream Chain or Steel Wire	90	4 1/2	42	"	"	"	"	"	S.W. J. Cranhall	True makes	"	"	"	"	"	"			

**Boats** Two 28' Life: One 18' bps  
**Pumps,** Number Downson to bridge. Hand to Fpk  
**Windlass** is Emerson Master Johnsonson, Hand & Steam  
**Engine Room Skylights.**—How constructed? Plated & angled  
**Coal Bunker Openings.**—How constructed? " " How are lids secured? Battens & lugs Height above deck? 30"  
**Number of Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 10 scuppers. 6 Fpk 48"x22" each side  
**Ceiling in Holds,** thickness and material. 2 1/2" Iron  
**Cargo Hatchways.**—How formed? Plated & angled 3 x 5 1/2  
**State size No. 1 Hatch** (Forward) 10'-7" x 21' **No. 2 Hatch** 28'-6" x 21' **No. 6 Hatch** 12'-9" x 21' **No. 4 Hatch** Bridge 12'-9" x 21'  
**Number of Web Plates, Shifting Beams and Fore and Afters** to each Hatch 2 at One No. 2, 3, 4 1/2: Four No. 2's. With Bridge Three  
**No. of Breasthooks** 6 **No. of Crutches** bup floor  
**Bulwarks,** height above deck and description 47"x 25" steel  
**Main Rail,** material and size 5/8"x 3 1/2"x 4" B. Angl  
The foregoing is a correct description.  
**Builder's Signature** (here only) FOR RICHARDSON, DUCK & CO. LTD. **Surveyor's Signature** B.A. Baker  
**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. 19. 21. 25 June 16 Nov 1912. E. 26 Oct. 1912

**Workmanship.** Are the butts of plating planed or otherwise fitted? Planed  
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? Not far  
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)? " State results of tests "  
**General Remarks** (State quality of workmanship, &c.) Good.

This vessel has been built in accordance with the approved plans. The Sec 17 letters of above dates and in general conformity with the Rules for the class contemplated. Hand & Steam steering gear tried and found satisfactory  
These plans and their forging reports are forwarded herewith. It is requested that the plans be returned for use on the sister vessel 20641  
This is a sister vessel to the Sp. Barkman Mdb report 207841 A copy of the Mid Sec & Profile plans are forwarded herewith.

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, 5- 6- 1914  
Special Survey Fee..... £ 41- 7 : 0 Received by me, B.A. Baker  
Travelling Expenses, if any £ - : -  
State whether the Vessel has been built under Special Survey Yes  
I am of opinion this Vessel should be Classed +100 A1  
With, or without Freeboard, as condition of Class Without  
**Committee's Minute** JUN. 9-1914  
**Character assigned** 100A1  
Lloyd A & B. P. + Ltd. 6, 14  
**Surveyor to Lloyd's Register of British and Foreign Shipping.** B.A. Baker



GENERAL REMARKS—(continued).

*[Large blank area for general remarks, with faint horizontal lines visible.]*

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 23.2 ft., R.Q.D. ☒ ft., Bridge 10.5 ft., Forecastle 31.0 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 as should appear in the Register Book) 1st (Iron) State if Machinery is fitted aft 20 Outside Paint  
 Official No. 132901; Signal Letters  
 How are the surfaces preserved from oxidation? Inside Paint & Ammon

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

Where Fitted.	Length.		Water Capacity.		Where Fitted.	Length. Feet.	Water Capacity Tons.	Material
	Feet.	Tons.	Feet.	Tons.				
Double bottom, aft,	127.42	374			Fore peak tank,			
Double bottom, under Engines and Boilers,	44.63	173			After peak tank,			
Double bottom, if under Engines only,					Deep tank, aft,			
Double bottom, if under Boilers only,					Deep tank, forward,			
Double bottom, forward,	167.87	569			Other tanks, if fitted,			
					(If necessary, furnish further information by sketch.)			
					State whether the above have been tested as required by the Rules. <u>Yes</u>			

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

Order for Special Survey No. 1054  
 Date 26.6.13.  
 No. 639 in builder's yard.

DATES of Surveys held while building  
1913 Dec. 23. 1914 Jan. 6. 13. 15. 22. 26. 28. 30 Feb. 4. 5. 11. 18. 20. 25. Mar. 2. 3. 4. 5. 10. 17. 23. 27. 30. 31. Apr. 3. 9. 15. 17  
24. 27. May. 1. 5. 6. 7. 12. 13. 20. 22. 26. 28. 28. Jun. 2.

Surveyor's Signature

