

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office WED APR 24 1912

Date of completion of report

Survey held at

On the

TONNAGE under

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of House on Dk.

Do. of above of Hatchways

Do. above Crown of

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

State if Report is also sent on the Machinery of the Vessel

Port of

Date, First Survey

Last Survey

Rig

No. 62138

1912

CLASS 100 A.1.

FEET.

Master

Year of appointment

(1) As Master in service of  
owner of present vessel: 191  
(2) As Master of this  
vessel: 191

Built at

When built

Launched 4<sup>th</sup> March 1912

By whom built

Owners

Managers

Residence

Port belonging to

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of

upper deck beams at side

Transverse Number

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

stern post

Longitudinal Number

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

Proportions—Depths to Length—Upper Deck Beam at

side to top of keel

" " Long Bridge Deck

Beam at side to top of keel

Destined Voyage Philadelphia

If Surveyed while Building, Afloat, or in Dry Dock

Yes

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH— Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
395 4			51 6			Do. do. do. do.	29 0 3		2
							22 0 3		No. of Tiers of Beams 2

Dimensions of Ship per Register, Length 395.5 breadth 51.75 depth 29.00 Moulded depth, ft. 38 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or E or L Bars amidships	7 3/4	46 7	3 1/2	46					
Do. in peaks	6 3/4	38 6	3 1/2	38					
Do. in way of Double Bottoms at Solid Floors	3 1/2	40 3 1/2	3 1/2	40					
" " at intermdt. Bkts.	25 1/2	1 25 1/2							
Spacing of Frames from centre to centre amidships	25 1/2	1 25 1/2							
" " length to Collision bulkhead	24	1 24							
" " in peaks	3 1/2	48 3 1/2	3 1/2	48					
REVERSED FRAME, Angles	3 1/2	40 3 1/2	3 1/2	40					
Do. in way of Double Bottoms at Solid Floors	3 1/2	40 3 1/2	3 1/2	40					
" " at intermdt. Bkts.	7	1 7							
FRAMING, depth of girder	33	50 33		50					
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	66	1 66							
" height extended at the Bilges	40	50 40		50					
FLOORS & BRACKETS in Cell Dble Bottoms under E & B	40	50 40		50					
" state if flanged (top & bottom)	25 1/2	1 25 1/2							
" Spacing	43	50 43		50					
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	3 1/2	50 3 1/2	3 1/2	50					
" Angles, Top	5	5 5	5	5					
" Bottom	3 1/2	40 3 1/2	3 1/2	40					
" to Floors	2	40 2		40					
SIDE GIRDERS, number on each side & thickness	40								
" state if flanged (top and bottom)	3	40 3	3	40					
" Angles (top and bottom)	3	40 3	3	40					
" to Floors	35	50 35	35	50					
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4 4	4	4					
" Angles to Outside Plating	3 1/2	40 3 1/2	3 1/2	40					
" Floors	25	1 25							
Height of Brackets above at bilge	59	75 59		75					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	48	56 48		56					
" in Engine and Boiler space									
" Remainder in Holds	6	3 40 6	3	40					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel									
" Angles on upper edge									
" In way of Long Bridge	25 1/2	1 25 1/2							
" Spacing	7 1/2	3 44 7 1/2	3	44					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel									
" Angles on upper edge	25 1/2	1 25 1/2							
" 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	8 1/2	3 50 8 1/2	3 1/2	50					
" Angles on upper edge	7	3 40 7	3	40					
" Spacing	25 1/2	57 25 1/2		57					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3 46 7 1/2	3	46					
" Angles on upper edge									
" Spacing	26 1/2	81 26 1/2		81					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 50 8 1/2	3 1/2	50					
" Angles on upper edge									
" Spacing	51 1/2	48 51 1/2		48					
PILLARS.									
PILLARS, In 'tween Deck, size and spacing									
" Hold									
" Quarter 'tween Dks.									
" in Hold									
KEELSONS & STRINGERS.									
CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Interstitial Plate	80	60 80		60					
" Rider Plates, under plate of M.L. bulkhead	5	5 5	5	5					
" Flat Plate Keel Angles									
" Horizontal Plates on Floors									
" Angles or Bulb Angles	3	1 3							
SIDE KEELSONS, Number	6 1/2	3 50 6 1/2	3 1/2	50					
" Angles or Bulb Angles	12 1/2	62 12 1/2		62					
" Plate above floors, for oil compartment									
" Interstitial Plate, for length	3 1/2	3 48 3 1/2	3 1/2	48					
" Attached to outside Plating with Angle									
BILGE KEELSON, Angles									
" Interstitial Plate for length									
" Attached to outside Plating with Angle									
SIDE STRINGERS, Number	3	3 3	3	3					
" Angle	7	3 62 7	3 1/2	62					
" Interstitial Plate, for oil compartment length	24	44 24		44					
" Attached to outside plating with Angle	3 1/2	3 48 3 1/2	3 1/2	48					
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	63	60 63		60					
" " " " br'dth & thickness (in way of Bridge)	84	84 84		84					
" " " " Angle (clear of Bridge)	5 x 5	66 5 x 5		66					
" " " " Tie Plate at sides of Hatchways									
" Deck * Iron or Steel, for whole lng.	52 1/2	34 52 1/2		34					
" Thickness (clear of Bridge)	52	1 52							
" (in way of Bridge)									
Wood Deck. Material & thickness	72	45 72		45					
Second Deck Stringer Plate, br'dth & thickness	5 x 5	66 5 x 5		66					
" Angles on ditto, No. 1									
" Tie Plates outside Hatchways									
" Deck * Iron or Steel, for whole lng.	40	32 40		32					
" 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	35	34 35		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	40	30 40		30					
Bridge Deck Stringer Plate, br'dth & thickness	39	40 39		40					
" Angle on ditto	3 1/2 x 3 1/2	40 3 1/2 x 3 1/2		40					
" Tie Plates	10	35 10		35					
" Deck. Material and thickness	40	25 40		25					
Forecastle Deck Stringer Plate, br'dth & thickness	35	34 35		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	Steel 3 P.P.	66 25 1/2		25 1/2					

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



[illegible]

EQUIPMENT No. 33410				LETTER 4				ANCHORS.				TONNAGE U.D.K. 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.							
14933		1st Bower		09 3 21		Stockless		48 17 2 0		60 0 0		Beyer stockless		Not stated		LPH. 3. 31/10/11							
14932		2nd "		50 1 14		"		48 12 2 0		60 0 0		"		"		31/10/11							
14934		3rd "		56 2 0		"		46 6 1 0		50 2 0		"		"		31/10/11							
38284		Stream		16 1 0		4 1 10		17 11 3 14		16 1 0		Rodgers		Earl of Dudley		LPH. 30/10/11 C.S. Lewis							
38283		Kedge		7 0 7		1 3 14		9 5 0 0		7 0 0		"		Round oak work		30/10/11							
CHAIN CABLES.												HAWERS 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 Towing.		Length and size per Table 31.	
		Length. Diam.		Strain. Break. ing.		Supplied. Per Rule.		Length. Diam.										Fathoms. Ins.		Fathoms. Ins.		Fathoms. Ins.	
39469		270 2 3/8		86 5/8 20 5/8		650 2 7/8 645 3 0		270 2 3/8		Steel		Earl of Dudley		LPH. 30/10/11		TOWLINE		120 4 3/4		47 7		120 4 3/4	
Iron Stream Chain		60 1/2		14 2 5/8		42 3/4 48 3 0				Steel		Round oak work		31/10/11		HAWERS & WARPS		90 3 1/2		26 5/8		90 3 1/2	
Steel Wire		90 1 1/2		14 2 5/8		42 3/4 48 3 0		90 4 3/4										100 7		100 7		100 7	
Boats 2 Steel life boats & 2 life																							
Pumps, Number Steering Gear, Steam Good Steering Gear, Hand Good																							
Diameter of Barrel State whether they are in efficient working order																							
Capstan																							
Windlass is Iron patent																							
Engine Room Skylights. How constructed? Steel plate																							
What arrangements for deadlights in bad weather? Steel shutters & lights																							
Coal Bunker Openings. How constructed? Steel plate																							
How are lids secured? Bolted Height above deck? 32"																							
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 Scuppers & 8 Freeing ports 3' 3" x 1' 6" each side																							
Ceiling in Holds, thickness and material																							
Cargo Battens, thickness and material 6 x 2 W.P.																							
Cargo Hatchways. How formed? Steel coamings																							
Hatches, If strong and efficient? Yes																							
State size No. 1 Hatch (Forward) No. 2 Hatch No. 3 Hatch No. 4 Hatch																							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch																							
No. of Breasthooks 8 No. of Crutches 38 Deep floor																							
Main Rail, material and size 6 x 3 x 40 Rolled plate																							
Bulwarks, height above deck and description 46" - 51 1/2" Steel plate																							
The foregoing is a correct description.																							
Builder's Signature (three only) J. Canton White																							
Surveyor's Signature James D. Miller & E. J. Milton																							
Surveyor to Lloyd's Register of British and Foreign Shipping.																							
Correspondence. State dates and initials of letters respecting this case (References should be made in any correspondence connected with the case)																							
M. 1. 6. 11 2. 6. 11 14. 7. 11 27. 9. 11																							
Workmanship. Are the butts of plating planed or otherwise fitted? Lapped and 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 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 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 Good																							
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes																							
State results of tests Good																							
General Remarks (State quality of workmanship, &c.)																							
This vessel has been built in accordance with the approved plans, the Rules, and the Secretary's letters quoted above.																							
The workmanship and materials are good throughout.																							
The approved plans of Buildship Section, Port & Deck, Tank in fore hold, oil fuel bunkers & cofferdams & Bilge & Ballast pumping arrangements are forwarded herewith, which please return for dealing with sister vessel.																							
The S.S. Comanche, now building as Yard No 842, is a sister vessel																							
The Surveyor should state the Number of Report and Name of any Sister Vessel.																							
The amount of Entry Fee £ 5 : 0 : 0																							
Special Survey Fee £ 156 : 1 : 6																							
Travelling Expenses, if any £ :																							
Fees applied for, APR 23 1912																							
Received by me, J. D. Miller																							
Certificate to be sent to NEWCASTLE ON TYNE																							
Date of Issue 11/12																							
State whether the Vessel has been built under Special Survey Yes																							
I am of opinion this Vessel should be Classed 100 A.V. Steel Carrying Petroleum in Bulk																							
With, or without Freeboard, as condition of Class Without																							
Surveyor to Lloyd's Register of British and Foreign Shipping.																							
Committee's Minute																							
Character assigned 100 A.V.																							
Carrying petroleum in bulk																							
Lloyd's assn time 4. 12																							
W.																							



Date of writing

No. in Su  
Reg. Book.

122 Dupon

Master

Engines made

Boilers made

Registered H

Nom. Horse 1

ENGINES

Dia. of Cylin

Is the screw

in the propel

between the b

liners are fitt

Dia. of Tunnel

collars / 3

No. of Feed p

No. of Bilge p

No. of Donkey

In Engine Ro

No. of Bilge In

Are all the bilge

Are all connect

Are they fixed s

Are they each fi

What pipes ar

Are all Pipes,

Are the Bilge

Dates of exam

Is the Screw S

BOILERS,

Total Heating

Working Pre

Can each boiler

each boiler 2

Smallest distanc

Thickness 1/2

long. seams 2 r

Per centages of

Size of compens

Length of plain

Working pressur

Pitch of stays to

Material of stay

Material of stay

Area

Diameter at sm

Thickness 1/4

Diameter of tub

Pitch across

thickness of gir

Working press

separately

holes ✓ P

If stiffened with

Working press

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106.75 ft., R.Q.D. ft., Bridge 25.5 ft., Forecastle 41.75 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 as it should appear in the Register Book) *2 Sts (Steel)*

Official No. ; Signal Letters State if Machinery is fitted aft *Yes.*

How are the surfaces preserved from oxidation? Inside *Portland cement Paint clear of oil tanks* Outside *Paint*

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	20.0	824
Double bottom, under Engines and Boilers,	—	—	After peak tank,	6.3	22
Double bottom, if under Engines only,	24.75	824	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	42.6	89	Deep tank, forward,	48.10 1/2	500
Double bottom, forward,	—	—	Other tanks, if fitted,	—	—
Total capacity of double bottom		173	(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. 4282

Date 5-8-1911

No. 841 in builder's yard.

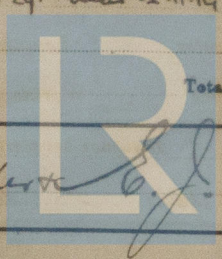
DATES of Surveys held while building

1911  
Jul. 6. 11. 14. 17. 19. 24. 25. Aug. 2. 3. 10. 15. 23. 28. 29. Sep. 1. 4. 8. 10. 14. 15. 25. 26. Oct. 5. 9. 11. 16. 19. 27.  
30. 31. Nov. 1. 3. 16. 17. 21. 22. 28. Dec. 1. 5. 7. 11. 13. 18. 22. 27. 29. 1912  
30. 31. Jan. 1. 3. 6. 7. 8. 10. 12. 13. 14. 15. 16. 17. 19. 20. 21. 22. 23. 24. 26. 28. 29. Mar. 2. 11. 14. 19. 26. 27. 28.  
Apr. 4. 10. 12. 13.

Total No. of Visits 91

Surveyor's Signature

James B. Burdett & J. H. Malton



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