

With or Without
Disconnected Erections.

21 STEEL STEAMER.

Received at London Office JUN. 25. 1912

Date of completion of report

Survey held at NEWCASTLE ON TYNE

On the S.S. Comanchee

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

Port of NEWCASTLE ON TYNE

Date, First Survey 3rd Aug. 1911

Last Survey 17th June 1912

Rig 3 Masted Schooner

Master W. Read

Year of appointment

Built at Newcastle Walker

When built 1912 Launched 17th May 1912

By whom built Sir W. G. Armstrong Whitworth & Co.

Owners Anglo American Oil Co Ltd

Managers do

Residence London

Port belonging to Newcastle

TONNAGE under 4813.97

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop 265.84

Do. of R. Dk. 198.36

Do. of Bridge House 76.30

Do. of Forecastle 63.06

Do. of Houses on Dk. 28.02

Do. of excess of Hatchways 5.72

Do. above Crown of Engine Room 136.85

Gross Tonnage 5587.82

Less Crew Space 149.16

Less above Crown of Engine Room 136.85

TONNAGE FOR FEES 5307.81

Less Engine Room 1788.10

Less Navigation Spaces 230.46

Register Tonnage 3420.10

CLASS 100 A. 1.

FEET.

Breadth (greatest moulded) 51.50

Depth, at middle of length from top of keel to top of upper deck beams at side 30.75

Transverse Number 82.25

Length on deck from fore part of stem to after part of stern post 395.33

Longitudinal Number 32515

Depth "d," at middle of length (See Secs. 2 & 13) 20.98

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.85

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

Destined Voyage America

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. Second Dk. Beams	29	0 1/2	2
							22	0 3/4	2

Dimensions of Ship per Register, Length 395.5 breadth 51.75 depth 29.0 Moulded depth, ft. 38 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins. Moulded depth, ft. 30 ins. 9 To Upper Dk.

FRAMING.				PILLARS.			
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				PILLARS, In 'tween Deck, size and spacing			
7	3 1/2	46	7	3 1/2	46		
Do. in peaks	7	3 1/2	38	6	3 1/2	38	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " at intermdt. Bkts.	25 1/2		25 1/2				
Spacing of Frames from centre to centre amidships	25 1/2		25 1/2				
" " length to Collision bulkhead in peaks	24		24				
REVERSED FRAME, Angles	3 1/2	3 1/2	48	3 1/2	3 1/2	48	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " at intermdt. Bkts.							
FRAMING, depth of girder	7		7				
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	33		50	33		50	
" in way of Engine and Boiler Spaces							
" thickness at the ends of vessel							
" depth at 1/2 the half breadth, as per Rule	66		66				
" height extended at the Bilges							
FLOORS & BRACKETS in Cell Dble Bottoms under E & B state if flanged (top & bottom)	40		40				
" Spacing	25 1/2		25 1/2				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	43		50	43		50	
" Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2	50	
" Bottom	5	5	60	5	5	60	
" to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
SIDE GIRDERS, number on each side & thickness	2	40	55	2	40	50	
" state if flanged (top and bottom)	40						
" Angles (top and bottom)	3	3	40	3	3	40	
" to Floors	3	3	40	3	3	40	
MARGIN PLATE, depth (exclusive of flange) and thickness	35	50	58	35	50	58	
" Angles to Outside Plating	4	4	48	4	4	48	
" Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" Height of Brackets above at bilge	25		25				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	59	75	62	58	46		
" in Engine and Boiler space	48	56		48	56		
" Remainder in Holds							
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	40	6	3	40	
" Angles on upper edge							
" In way of Long Bridge							
" Spacing	25 1/2		25 1/2				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	44	7 1/2	3	44	
" Angles on upper edge							
" Spacing	25 1/2		25 1/2				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	46	7 1/2	3	46	
" Angles on upper edge							
" Spacing	51		51				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	50	8 1/2	3 1/2	50	
" Angles on upper edge							
" Spacing	51		51				
PILLARS.				KEELSONS & STRINGERS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
PILLARS, In 'tween Deck, size and spacing				CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate			
" " Hold	"	"	"	80	60	80	60
" Quarter 'tween Dks.	"	"	"	5	5	60	5 5 60
" in Hold	"	"	"	9	3 1/2	3 1/2	60
KEELSONS & STRINGERS.				SIDE KEELSONS, Number			
CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate				3		3	
" Flat Plate Keel Angles	5	5	60	5	5	60	
" Horizontal Plates on Floors							
" Angles or Bulb Angles							
SIDE KEELSONS, Number	3		3				
" Angles or Bulb Angles	6 1/2	3 1/2	50	6 1/2	3 1/2	50	
" Plate above floors, for oil comp. length	12 1/2		62	12 1/2		62	
" Intercoastal Plate, for length			42			42	
" Attached to outside Plating with Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48	
BILGE KEELSON, Angles							
" Intercoastal Plate for length							
" Attached to outside Plating with Angle							
SIDE STRINGERS, Number	3		3				
" Angle	7	3 1/2	64	7	3 1/2	64	
" Intercoastal Plate, for oil comp. length	24		44	24		44	
" Attached to outside plating with Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48	
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)				Second Deck Stringer Plate, br'dth & thickness			
6 3	8 1/2	60	6 3	5 1/2	66	5 1/2	66
" " " " br'dth & thickness (in way of Bridge)							
5 1/2	5	66	5 1/2	5	66	5 1/2	66
" " Angle (clear of Bridge)							
5 1/2	34		42				
" Tie Plate at sides of Hatchways							
Deck. * Iron or Steel, for whole lng.	5 1/2	34					
" Thickness (clear of Bridge)							
" (in way of Bridge)	5 1/2		34				
" Wood Deck. Material & thcknss							
Second Deck Stringer Plate, br'dth & thickness	7 1/2	45	7 1/2	45			
" Angles on ditto, No.	1		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	3 1/2	34	3 1/2	3 1/2	34	
" Tie Plates							
" Deck. Material and thickness	Steel	40	30	40	30		
Bridge Deck Stringer Plate, br'dth & thickness	39	40	39	40			
" Angle on ditto	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" Tie Plates	10	35	9	35			
" Deck. Material and thickness	Steel	40	25	25			
Forecastle Deck Stringer Plate, br'dth & th'kns	35	34	35	34			
" Angle on ditto	3 1/2	3 1/2	34	3 1/2	3 1/2	34	
" Tie Plates							
" Deck. Material and thickness	Steel	3 P.P.	66	25	25		

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

008129-008136-003312

[illegible]

EQUIPMENT No.				LETTER				ANCHORS				TONNAGE U.K.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.			
		Cws.	Lbs.	Cws.	Lbs.	Tons.	cwt.	qrs.	lbs.	Cws.	qrs.	lbs.							
15344	1st Bower	62	14	Stainless		49	15	0	0	60	0	0	Biers Stockless	not given	Sld 19/12	A. Haffner			
15347	2nd "	59	2	0		48	1	1	0	60	0	0	"	"	Sld 23/12	A. Green			
15350	3rd "	56	0	14		46	1	2	7	58	2	0	"	"	Sld 23/12	A. Green			
	4th "																		
	Collective weight	178	0	0						170	2	0							
38468	Stream	16	1	0	4	0	14	17	11	3	14	16	1	0	Rodgers	Dudley's	Dipton 11/12 C.E. Perrins		
38467	Kedge	7	0	7	1	3	7	9	5	0	0	7	0	0	"	"	"		

CHAIN CABLES.										HAWSELS AND WARPS.														
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE Supplied.		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.		
		Fathoms.	Inches.	Tons.	Cwt.	qrs.	lbs.	Cwt.	qrs.	lbs.	Fathoms.	Inches.						Fathoms.	Inches.	Tons.	Cwt.	qrs.	lbs.	
39706		270	2 3/4	86 1/2	120 1/2	65	0.24	65	3.0	270	2 3/4	Steel Link	Dudley's	Dipton C.E. Perrins	5/12/11	TOWLINE		120	4 1/4	47	120	4 1/4		
																HAWSELS & WARPS		90	3 1/2	26 1/2	90	3 1/2		
																		120	3 1/2	26 1/2	120	3 1/2		
																		100	3 1/2	26 1/2	100	3 1/2		
																		60	3 1/2	26 1/2	60	3 1/2		

Boats 2 Steel life boats 4 x wood cutters **Steering Gear, Steam Good** **Steering Gear, Hand Good**

Pumps, Number _____ **Diameter of Barrel** _____ **State whether they are in efficient working order** _____

Windlass is *Iron patent* **Capstan** _____

Engine Room Skylights.—How constructed? *Steel plates* **What arrangements for deadlights in bad weather?** *Steel shutters & lights*

Coal Bunker Openings.—How constructed? *Steel plates* **How are lids secured?** *Battered* **Height above deck?** *32'*

Number of Scuppers, and numbers and dimensions of **Freeing Ports, &c.** *8 Scuppers & 8 freeing ports 5' x 1'-6" each side*

Ceiling in Holds, thickness and material. _____ **Cargo Battens, thickness and material.** *6 x 2 W.P. in leads*

Cargo Hatchways.—How formed? *Steel coamings* **Hatches, If strong and efficient?** *Yes*

State size No. 1 Hatch (Forward) *12 x 10* **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 & Deep floor** _____

Bulwarks, height above deck and description *46" - 5/16 Steel plate* **Main Rail, material and size** *6 x 3 x 40 B.A.*

The foregoing is a correct description. **Builder's Signature** *Edwin L. Ode* **Surveyor's Signature** *E. J. Milton*

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 Rules, the approved plans and the Secretary's letter quoted above.
The workmanship and materials are good throughout.
The approved plans of Underpin Section Profile Deck, Stern frame, Oil fuel bunker and Cofferdam Bulkheads. Pumping arrangements and tank in fore hold.*

S.S. Elcio Yard No 241. Two report 62138 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* Fees applied for, JUN 24 1912
Special Survey Fee £ *15 : 11 : 0* Received by me *[Signature]*
Travelling Expenses if any £ _____ Date of issue *11/7/12*

State whether the Vessel has been built under Special Survey _____

I am of opinion this Vessel should be Classed *100 A-1 Steel carrying petroleum in bulk.* **Surveyor to Lloyd's Register of British and Foreign Shipping.** *E. J. Milton*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute FRI JUN 28 1912
Character assigned *100A1*
Carrying petroleum in bulk
Lloyd's 100A1
+ M.B. 6.12
J.D.

GENERAL REMARKS—(continued).

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. 133506 ; Signal Letters H.W.D.P. 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 only*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	20.0	34
Double bottom, under Engines and Boilers,			After peak tank,	6.3	22
Double bottom, if under Engines <i>only</i> ,	24.7 1/2	84	Deep tank, aft,		
Double bottom, if under Boilers <i>only</i> ,	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. 42 in builder's yard.

DATES of Surveys held while building

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

Total No. of Visits 75

Surveyor's Signature

W. E. Pinner

E. J. Mutton

Lloyd's Register Foundation