

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

24 MAR 1924

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

Date of completion of report *22nd March 1924*
Survey held at *Sunderland*

Port of *Sunderland*

Date, First Survey *5th January 1923*

Last Survey *17th March 1924*

No. *28772*

1924

MOTOR VESSEL

PACIFIC SHIPPER

Rig *Schooner*

On the (State if Single, Twin, or Triple Screw)

TONNAGE under *3297.69*

Tonnage Deck...

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

Total under Upper Dk. *98.61*

Do. of Poop *546.65*

Do. of R.Q.Dk. *13.36*

Do. of Bridge House *291.48*

Do. of Forecastle *26.32*

Do. of Houses on Dk. *6304.09*

Do. of excess of Hatchways *282.25*

Do. above Crown of Engine Room

Gross Tonnage *2017.31*

Less Crew Space *154.90*

Less above Crown of Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage *3849.63*

as cut on Beam

CLASS *100 A-1 Complete*

Superstructure with foreboard

Breadth (greatest moulded) *57-9 1/2*

Depth, at middle of length from top of keel to top of upper deck beams at side *39.6*

Transverse Number *L x D = 420 x 39.5*

Length on deck from fore part of stem to after part of stern post *420*

Longitudinal Number *L x (B + D) 420 x 97.3*

Depth "d," at middle of length (See Secs. 2 & 13) *26.93*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *10.63*

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

Destined Voyage *Manchester*

If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Master

Year of appointment (1) As Master in service of owner of present vessel: 191

(2) As Master of this vessel: 191

Built at *Sunderland*

When built *1924*

Launched *22nd Dec 1923*

By whom built *W. Duffell & Sons Ltd.*

Owners *Messrs. Furness Withy & Co. Ltd.*

Managers

(Where necessary to be entered in Reg. Book.)

Residence

Port belonging to *London*

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	No. of Tiers of Beams
420	0		57	9 1/2		Do. do. do. do. Second Dk. Beams	36	11 1/2	2	4

Dimensions of Ship per Register, Length	420	breadth	58.0	depth	28.10	Moulded depth, ft. ins. To Bridge Dk. Round of Upper Dk. Beam, Actual	14	ins.
						Moulded depth, ft. ins. To Upper Dk.		

FRAMING.				PILLARS.			
NAME, Angle, or	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	3 1/2	4 1/2	5 1/2	" " Hold	3 1/2	4 1/2	5 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	4 1/2	5 1/2	" " Quarter 'tween Dks.	3 1/2	4 1/2	5 1/2
" " at intermdt. Bkts.	3 1/2	4 1/2	5 1/2	" " in Hold	3 1/2	4 1/2	5 1/2
acing of Frames from centre to centre amidships	32 1/2		32 1/2				
" " from 1/2 length to Collision bulkhead	27		27				
" " in peaks	24		24				
EVERSED FRAME, Angles	3 1/2	4 1/2	5 1/2	KEELSONS & STRINGERS.			
Do. in way of Double Bottoms at Solid Floors	3 1/2	4 1/2	5 1/2	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
" " at intermdt. Bkts.	3 1/2	4 1/2	5 1/2	" Rider Plate			
FRAMING, depth of girder	15		15	" Flat Plate Keel Angles			
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	44 1/2	43	44 1/2	" Horizontal Plates on Floors			
" in way of Engine and Boiler Spaces	44 1/2	43	44 1/2	" Angles or Bulb Angles			
" thickness at the ends of vessel	44 1/2	43	44 1/2	" SIDE KEELSONS, Number			
" depth at 1/2 the half breadth, as per Rule	44 1/2	43	44 1/2	" Angles or Bulb Angles			
" height extended at the Bilges	44 1/2	43	44 1/2	" Plate above floors, for length			
DOORS in Cell. Double Bottoms	44 1/2	43	44 1/2	" Intercoastal Plate, for length			
" state if flanged (top & bottom)	No		No	" Attached to outside Plating with Angle			
" Spacing of Solid floors	9 1/2		9 1/2	BILGE KEELSON, Angles			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss	44 1/2	43	44 1/2	" Intercoastal Plate for length			
" Angles, Top	3 1/2	4 1/2	5 1/2	" Attached to outside Plating with Angle			
" Bottom	3 1/2	4 1/2	5 1/2	SIDE STRINGERS, Number			
" to Floors	3 1/2	4 1/2	5 1/2	" Angles			
" Brackets at intermdt. frmg., wdth & thcknss	3 1/2	4 1/2	5 1/2	" Intercoastal Plate, for length			
DE GIRDERS, number on each side & thickness	ONE	43	ONE	" Attached to outside plating with Angle			
" state if flanged (top and bottom)	No		No				
" Angles (top and bottom)	3 1/2	4 1/2	5 1/2	Upper Deck Stringer Plate, br'dth & thickness			
" to Floors	3 1/2	4 1/2	5 1/2	" " " " (clear of Bridge)			
MARGIN PLATE, depth (exclusive of flange) and thickness	40 1/2	58	40 1/2	" " " " (br'dth & thickness)			
" Angle to Outside Plating	3 1/2	4 1/2	5 1/2	" " " " (in way of Bridge)			
" Floors	3 1/2	4 1/2	5 1/2	" " " " Angle (clear of Bridge)			
" Brackets at intermdt. frmg., wdth & thcknss	3 1/2	4 1/2	5 1/2	" Tie Plate at sides of Hatchways			
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	54 1/2	53	54 1/2	" Deck * Iron or Steel, for FULL lng.			
" in Engine and Boiler space	54		54	" Thickness (clear of Bridge)			
" Remainder in Holds	45		45	" (in way of Bridge)			
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 x 3 1/2 x 3 1/2	46	8 x 3 1/2 x 3 1/2	" Wood Deck, Material & thickness			
" In way of Long Bridge				Second Deck Stringer Plate, br'dth & thickness			
" Spacing	32 1/2		32 1/2	" Angles on ditto, No. 2			
AMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	12 x 3 1/2 x 3 1/2	47	12 x 3 1/2 x 3 1/2	" Tie Plates outside Hatchways			
" Spacing	32 1/2		32 1/2	" Deck * Iron or Steel, for FULL lng.			
AMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	12 x 4 x 4	56	12 x 4 x 4	" Wood Deck, Material & thickness			
" Angles on upper edge	32 1/2		32 1/2	Third Deck Stringer Plate, br'dth & thickness			
" Spacing	32 1/2		32 1/2	" Angles on ditto, No. 2			
AMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 x 3 1/2 x 3 1/2	46	8 x 3 1/2 x 3 1/2	" Tie Plates, outside Hatchways			
" Angles on upper edge	32 1/2		32 1/2	" Deck * Material and thickness			
" Spacing	32 1/2		32 1/2	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
AMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 x 3 1/2 x 3 1/2	46	8 x 3 1/2 x 3 1/2	" Angles on ditto, No.			
" Angles on upper edge	32 1/2		32 1/2	" Tie Plates outside Hatchways			
" Spacing	32 1/2		32 1/2	" Deck, Material & thickness			
AMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 x 3 1/2 x 3 1/2	46	8 x 3 1/2 x 3 1/2	Poop Deck Stringer Plate, breadth & thickness			
" Angles on upper edge	32 1/2		32 1/2	" Angle on ditto			
" Spacing	32 1/2		32 1/2	" 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, br'dth & th'kns			
				" Angle on ditto			
				" Tie Plates			
				" Deck, Material and thickness			

WEB FRAMES.				FORGINGS or CASTINGS.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness			
" " " brdth. & thickness				STEM, moulding and thickness			
" No. of Side Stringers " "				STERN-POST for Rudder do. do.			
WEB-FRAMES, In E. & B. Space, No. & spacing				" for Propeller			
" " " brdth. & thickness				RUDDER—A x D* Table 22. Speed			
" " " brdth. & thickness				" Main-Piece, diameter at head			
" No. of Side Stringers " "				" " " at heel			
" Size of Face Angles to Web-Frames.....							
BRACKET PLATES to Stringers between							
Web Frames, depth and thickness.....							
BULKHEADS.				STIFFENERS.			
Number.				Single or Double Frames.			
Vessel. Per Rule.				Height up, state deck.			
W.T. BULKHEADS							
8 7							
Please see form at back of report.							
" COLLISION "							
PARTITION "							
LONGITUDINAL "							
Are the outside Plates doubled two spaces of Frames in length?							
Are the Stave Valves and Watertight Doors in efficient working order?							
PLATING.				RIVETING.			
AS IN SHIP.				PER RULE OR AS APPROVED.			
STRAKES.				EDGES.			
AMIDSHIP.				Ordinary or Joggled?			
Breadth. Thickness.				Single or Double.			
Forward. Aft.				Breadth of Lap.			
Inches. Inches.				Diam.			
Inches. Inches.				Spacing cr. to cr.			
Inches. Inches.				Double or Treble and for what Length.			
Inches. Inches.				RIVETS.			
Inches. Inches.				Diam.			
Inches. Inches.				Spacing cr. to cr.			
Inches. Inches.				Double or Treble and for what Length.			
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Inches. Inches.				RIVETS.			
Inches. Inches.				Diam.			
Inches							

MON. 24 MAR. 1924

EQUIPMENT No. 41423				LETTER 41423				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.
27606	1st Bower	43	0	21	✓	✓	✓	38	10	0	0	42	2	0	BYERS IMPROVED STOCKLESS	✓	Sld 16.6.23 J.H. Buttle
27587	2nd "	42	1	21	✓	✓	✓	38	0	0	0	42	2	0	do do do	✓	Sld 2.6.23 do
27594	3rd "	62	1	0	✓	✓	✓	49	12	2	0	62	0	0	do do do	✓	Sld 7.6.23 do
	4th "																
	Collective weight	204	3	14	✓	✓	✓					204	0	0	✓		
27529	Stream	21	0	0	5	2	0	21	12	2	0	20	2	0	S. Taylor & Sons Common forged at in	✓	Sld 10.6.23 do
	Kedge																

Particulars of Drop Test of Cast Steel Anchors, viz. :-	1st Bower	47.1.21	A.B.	5104	26.4.23
Weight, Surveyor's Initials,	2nd "	46.3.7	A.B.	5139	10.6.23
Number of Certificate, Date of Test.	3rd "	38.2.21	A.B.	5081	19.4.23
	4th "				

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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.												
13870	300	2 3/8	10 1/2	14 1/2	855.3.14	844.1.0	300	2 3/8	Stud	S. Taylor & Sons	Sld. 11.5.23 J.H. Buttle	TOWLINE	130	5 1/2	88	130	5 1/2			
				including two end attachments								HAWSERS & WARPS	4 @ 100	2 3/4	15 1/2	4 @ 100	2 3/4			
Iron Stream Chain or Steel Wire	120	Cir.	3 wire	73			120	Cir.	5	Webster & Co										
Boats	2	Lifboats	28.0	and	2	@	33.0													

Boats 2 lifeboats 28'0" and 2 @ 22'0" Steering Gear, Steam Wilson Pinnick Type Steering Gear, Hand Filler & increased size and secondary means by which made by DONKINS State whether they are in efficient working order

Pumps, Number Windlass is Emerson Walker Diameter of Barrel Capstan

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

Coal Bunker Openings. — How constructed? Steel plates & angles How are lids secured? Tarpaulins & cleats Height above deck? 32"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 scuppers each side 2 F.P.s each side in bulwark amidships then open

Ceiling in Holds, thickness and material 11" x 5 1/2" W.W. Cargo Battens, thickness and material 6" x 2" W.W.

Cargo Hatchways. — How formed? Steel plates and angles Hatches, If strong and efficient? Yes, 5, 24 1/2

State size No. 1 Hatch (Forward) 27'0" x 22'0" No. 2 Hatch 29'9 1/2" x 22'1" No. 3 Hatch 27'1" x 20' No. 4 Hatch 27'1" x 22' 8 1/2" x 22'0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 in nos 1, 2, 3 & 4 5 webs in nos 5 & 6 4 webs

Bulwarks, height above deck and description Amidships only 3'3 1/2" x 25" Elsewhere open rails & stanchions Main Rail, material and size BA 3" x 3 1/2" x 40

The foregoing is a correct description. WILLIAM DOXFORD & SONS, Limited Surveyor's Signature A. Pickworth. Surveyor to Lloyd's Register of Shipping.

Builder's Signature (here only) H. Hattacher

Correspondence. — State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) M. 22.12.22; 3.1.23; 4.1.23; 9.1.23; 9.2.23; 12.2.23; 3.3.23; 20.3.23; 24.3.23; 2.5.23; 5.5.23; 11.5.23; 25.1.24; 18.9.23; 24.9.23; 28.9.23; 26.10.23

Workmanship. Are the butts of plating planed or otherwise fitted? Yes

Is the riveted work properly closed? Yes

Are the liners between the frames and plates solid single pieces? Yes where fitted, jagged 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? 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 constructed in accordance with the approved plans, the Secretary's letters and the Revised Rules

The materials and workmanship are good.

The vessel is propelled by Doxford's Patented Opposed Piston Oil Engine, and is fitted with a duct keel. The foremain hold and lower tween decks in way of same and a portion of the forward upper tween dks are insulated as described in Report

The approved plans (23) and forging reports (3) are forwarded herewith. Please return plans for use in connection with a sister vessel.

Bottom examined in dry dock, March 14th and same found and coated.

This vessel's specification, agreed to by the Owners, provides for the application of the Revised Rules

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.

Freeboard Fee £ 12: : : Fees applied for, 10/11/24

The amount of Entry Fee £ 10: : : Received by me, 22nd March 1924

Special Survey Fee £ 357: 12: : : Hull & Certificate to be sent to SUNDERLAND Date of issue 28/3/24

Travelling Expenses, if any £ : : : Micky

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100 A-1. Complete Superstructure

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

Surveyor to Lloyd's Register of Shipping. A. Pickworth.

Committee's Minute FRI. MAR 28 1924

Character assigned + 100 A-1 (on No. 77678) With freeboard

Lloyd's Assoc. + Lmb. 3.24 Oil Engines

With 3.24

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GENERAL REMARKS—(continued).

BULKHEADS						
POSITION	PLATING	STIFFENERS		SPACING	FRAMES SINGLE OR DOUBLE	W.T. TO HEIGHT OF
		HORIZONTAL	VERTICAL SIZE			
AFTER PEAK	.40 to .30 75 in way of strake	Semi box beam and Tunnel Recco top	8 x 3 x .52 BA 7 1/2 x 3 x 40 BA	24 24	Single	2ND DK.
AFTER MAIN	.26 to .37		15 x 4 x 4 x .62	30	Single	2ND DK
DEEP TANK	.40 to .30	Tunnel Recco with 4 x 4 x .59 reverse 8 x 3 x 40 BA above recco 8 1/2 x 3 x 46 below	15 x 4 x 4 x .59 x .62 4 x 4 x .59 reverse	23 1/2 21 1/2	Single	2ND DK
ENGINE ROOM AFT END BHD	.40 to .30		8 x 3 x 40 BA centre 15 x 4 x 4 x .59 x .62 4 x 4 x .59 reverse	21 1/2 23 1/2	Single	2ND DK
ENGINE ROOM FORWARD END	.40 to .30		15 x 4 x 4 x .59 x .62 4 x 4 x .59 reverse	24	Single	2ND DK
FORWARD DEEP TANK BHD	.40 to .30	3RD DECK ON FWD SIDE 10' 6" below 2ND DK.	15 x 4 x 4 x .48 x .62 in lieu of 14 x 4 x 4 x .58 x .62	24	Single	2ND DK
FORE MAIN	.38 to .26	3RD DECK see amended profile	12 x 3 1/2 x 3 1/2 x .80 x .375 5 1/2 x 3 x .32 OA about 3RD DK	30 30	Single	2ND DK
COLLISION	.44 to .26 tand end .50	2 semi box beams fore peak tank top and deck	7 x 3 x .50 in tank 6 x 3 x .34 BA to 2ND DK 4 x 3 x .30 OA to upper dk	24 24 24	Single	Upper dk
CENTRE LINE BULKHEAD	.30	As per approved profile and amended fore and aft profile	7 x 3 x .46 BA 8 x 3 x .46 " 8 x 3 x .46 " 10 x 3 1/2 x .44 " 10 x 3 1/2 x .60 double at all terminations	32 1/2 32 1/2 32 1/2 27 27		2ND DK 3RD DK

Plating of watertight bulkheads increased .04 on bottom strake & .10 at bilges

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 41 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Complete Superstructure with tonnage opening

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) 2 DKs (Stl.) 3rd deck (stl) in nos 1 & 2 holds.

Official No. 147593 ; Signal Letters State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Paint, cement fillets in d.b. on edges Outside Paint
batts of shell & bilge pockets - bituminous

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, 0 1/2	116.5 1/2	336	Fore peak tank,	22.0 1/2	120
Double bottom, under Engines and Boilers, 0 1/2	89.4 1/2	438	After peak tank,	20.0	126
Double bottom, if under Engines only, FOR FRESH WATER 8' 1 1/2	8' 1 1/2	42	Deep tank, aft,	16.3	614
Double bottom, if under Boilers only, 2 compartments in BR d.b. 32 1/2' long. tested under water pressure not included	138' 10"	468	Deep tank, forward,	21.8	996
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom 383.0	1284	(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. 5685	DATES OF SURVEYS held while building
Date 7 3 28	1922 Feb. 5, 6, 9, 12, 13, 15, 22, 23, 26, 27, Mar. 2, 5, 6, 7, 8, 9, 13, 14, 22, 26, Apr. 6, 12, 16, 19, 23, 25, May 1, 3, 8, 9, 11, 17, 23, 25, 29, June 1, 7, 12, 19, 21, 22, 25, 29, July 3, 5, 9, 11, 16, 18, 20, 24, 27, Aug. 1, 8, 14, 20, 22, 27, 30, Sep. 4, 6, 10, 19, 21, 25, 27, Oct. 4, 8, 10, 12, 16, 18, 24, 26, Nov. 1, 7, 13, 21, 23, 27, 30, Dec. 3, 5, 6, 10, 13, 17, 18, 19, 20, 21, 28, 31, Jan. 8, 14, 22, 29, Feb. 5, 15, 19, 21, 28, Mar. 3, 6, 7
No. 544 in builder's yard.	

Surveyor's Signature

Byd's Register Foundation

Total No. of Visits 106