

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

78771

No. 438.

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

Port of *Jacksonville, Fla.* Date of completion of Report *16th January 1922* Received at London Office *15.2.22*

Survey held at *Tampa, Fla.* Date, First Survey *15th July 1920* Last Survey *13th January 1922*

On the (State of Single, *Single Screw Steel Steamer*) *BYRON D. BENSON* Rig *✓*

TONNAGE under
Tonnage Deck... *5981.86*
Do. between Tonnage Dk. and
3rd, 4th, or Awning Dk. *1204.28*
Total under Upper Dk. *82.56*
Do. of Poop Light *82.56*
Do. of R. Qr. Dk.
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck *243.22*
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Gross Tonnage *8211.92*
Less Crew Space
Less above Crown of
Engine Room... *476.08*
TONNAGE FOR FEES...
Less Engine Room *2627.81*
Less Nominations Spaces

CLASS *100 A.1. Shell. D.*
Breadth (greatest moulded) *60.0*
Depth, at middle of length from top of keel to top of
beams at side of uppermost Continuous Deck... *36.26*
Deduct height of 'tween deck when this does not exceed 8ft. *7.00*
Transverse Number *89.25*
Length on deck from fore part of stem to after part of
sternpost *465.58*
Longitudinal Number *41553*
Depth "d" at middle of length. See Secs. 2 & 13...
Proportions, Depths to Length, Uppermost Continuous
Deck at side to top of keel *12.84*
" " " Upper Deck at side
to top of keel *15.91*

Master
Year of Appointment
Built at *Tampa, Fla.*
When built *1922-1* Launched *15 Sept. 1921*
By whom built *Oscar Daniels & Co.*
Owners *Tidewater Oil Co.*
Managers
(Where necessary to be entered in Reg. Book.)
Residence
Port belonging to *New York.*

Tonnage
Beam... *5108*

Destined Voyage *✓* Surveyed while Building, *✓* Afloat, *✓* or in Dry Dock *✓* *Yes.*

TH on	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid
er Rule	<i>465</i>	<i>7</i>	Moulded	<i>60</i>	<i>00</i>	Do.	do.	<i>24</i>	<i>11</i>	<i>3</i>
of Ship per Register,						Awn. or Shelter Dk.	Moulded depth, ft. <i>36</i> ins. <i>3</i>			Round up of Uppermost
Length <i>465.4</i> breadth <i>60.2</i> depth <i>27.8</i>						Upper Deck.	Moulded depth, ft. <i>29</i> ins. <i>3</i>			Dk. Beam, Actual <i>15</i> ins.

FRAMING.					
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
Angles, or \square or \angle Bars, amidships					
peaks \square	<i>7</i>	<i>3-48</i>	<i>18.9</i>	<i>7</i>	<i>3-48</i>
way of Double Bottoms at Solid Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>9.8</i>	<i>3 1/2</i>	<i>3 1/2</i>
" " at intermdt. Bkts.					
of Frames from centre to centre amidships					
length to collision bulkhead	<i>24</i>			<i>24</i>	
of Frames from centre to centre in peaks					
ISED FRAME, Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>11.1</i>	<i>3 1/2</i>	<i>3 1/2</i>
in way of Double bottoms at Solid Floors					
" " at intermdt. Bkts.					
ING, depth of girder					
RS, depth and thickness of Floor Plate	<i>52</i>	<i>52</i>		<i>52</i>	<i>50</i>
at mid-line for $\frac{1}{2}$ length amidships	<i>40</i>	<i>52</i>		<i>40</i>	<i>52</i>
in way of Engine and Boiler spaces		<i>40</i>			<i>40</i>
thickness at the ends of vessel	<i>47 1/2</i>			<i>47 1/2</i>	
depth at $\frac{1}{2}$ the half-bdth. as per Rule					
height extended at the Bilges	<i>48</i>	<i>42 1/2</i>		<i>48</i>	<i>42 1/2</i>
RS, in Cell Double Bottoms					
state if flanged (top and bottom)	<i>27 1/2</i>	<i>49</i>		<i>27 1/2</i>	<i>49</i>
spacing of Solid	<i>48</i>	<i>42</i>		<i>48</i>	<i>42 1/2</i>
IRE GIRDER, in Dbl. bottom, dpth. & thcknss	<i>3 1/2</i>	<i>3 1/2</i>	<i>11.1</i>	<i>3 1/2</i>	<i>3 1/2</i>
" Angles, Top	<i>6</i>	<i>6</i>	<i>21.9</i>	<i>6</i>	<i>21.9</i>
" " Bottom	<i>6</i>	<i>6</i>	<i>19.6</i>	<i>6</i>	<i>19.6</i>
" " to Floors					
Brackets at intermdt. frmg., wdth & thcknss					
E GIRDERS, number and thickness	<i>200</i>	<i>52</i>		<i>200</i>	<i>52</i>
" state if flanged (top & bottom)					
Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>9.8</i>	<i>3 1/2</i>	<i>3 1/2</i>
RGIN PLATE, depth (exclusive of flange)	<i>36</i>	<i>58.6</i>		<i>36</i>	<i>58.6</i>
and thickness	<i>4</i>	<i>4</i>	<i>14.3</i>	<i>4</i>	<i>14.3</i>
Angles to outside plating	<i>3 1/2</i>	<i>3 1/2</i>	<i>9.8</i>	<i>3 1/2</i>	<i>3 1/2</i>
" to floors					
Brackets at intermdt. frmg., wdth & thcknss					
Height of Brackets above at bilge	<i>48</i>			<i>48</i>	
ER BOTTOM PLATING, breadth and	<i>46</i>	<i>52</i>		<i>46</i>	<i>52</i>
thickness of Middle Line Strake		<i>52</i>			<i>52</i>
" thickness in Engine and Boiler space		<i>50</i>			<i>50</i>
" " Remainder in Holds					
AMS, Awng or Shltr Dk, Single Angle,					
Bulb Angle, Plate, Tee Bulb or Channel					
Spacing					
AMS, Upper Deck, Single Angle, Bulb Angle,					
Plate, Tee Bulb or Channel					
Spacing					
AMS, Second, Third & Fourth Deck, Single					
Angle, Bulb Angle, Plate, Tee Bulb or Channel					
Angles on upper edge					
Spacing					
AMS, Poop Deck, Angle, Bulb Angle, Plate,					
Tee Bulb or Channel					
Angles on upper edge					
Spacing					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,					
Tee Bulb or Channel					
Angles on upper edge					
Spacing					
BEAMS, Forecastle Deck, Angle, Bulb Angle,					
Plate, Tee Bulb or Channel					
Angles on upper edge					
Spacing					

PILLARS.					
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					
" " Hold					
" " Quarter, 'tween Dks.,					
" " in Hold					
KEELSONS AND STRINGERS.					
CENTRE LINE KEELSON, Vertical Plate above					
floors, Through Plate, or Intercoastal Plate					
" Rider Plate					
" Flat Keel Plate Angles					
" Horizontal Plates on Floors					
" Angles or Bulb Angles					
SIDE KEELSONS, Number <i>one each side</i>					
" Angles or Bulb Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>4.4</i>	<i>3 1/2</i>	<i>3 1/2</i>
" Plate above floors, for length					
" Intercoastal Plate, for <i>the out lands</i> length	<i>52</i>	<i>44</i>		<i>52</i>	<i>44</i>
" Attached to outside plating with Angle	<i>3 1/2</i>	<i>3 1/2</i>	<i>4.4</i>	<i>3 1/2</i>	<i>3 1/2</i>
BILGE KEELSON, Angles					
" Intercoastal Plate, for length					
" Attached to outside plating with Angle					
SIDE STRINGERS, Number <i>2 Fore. 1 Aft.</i>	<i>3 1/2</i>	<i>6</i>	<i>13.5</i>	<i>3 1/2</i>	<i>6</i>
" " Angle	<i>3</i>	<i>7.2</i>	<i>4.0</i>	<i>3</i>	<i>7.2</i>
" " Intercoastal Plate, for lng.	<i>18</i>	<i>4.4</i>		<i>18</i>	<i>4.4</i>
" Attached to outside plating with Angle	<i>3 1/2</i>	<i>3 1/2</i>	<i>9.8</i>	<i>3 1/2</i>	<i>3 1/2</i>
Awning or Shelter Deck Stringer Plates,					
breadth and thickness	<i>6 1/2 x 6 1/2</i>	<i>38 x 44</i>		<i>6 1/2 x 6 1/2</i>	<i>38 x 44</i>
" Angle on ditto	<i>6 1/2 x 6 1/2</i>	<i>38 x 44</i>		<i>6 1/2 x 6 1/2</i>	<i>38 x 44</i>
" Tie Plates, fore and aft, outside Hatchways		<i>46</i>			<i>46</i>
" Deck * Iron or Steel, for <i>entire</i> lng.		<i>46</i>	<i>36</i>		<i>46</i>
" Wood Deck, Material & thickness <i>O.P.</i>		<i>3</i>			<i>3</i>
Upper Deck Stringer Plate, breadth and					
thickness	<i>57 x 57</i>	<i>44</i>		<i>57 x 57</i>	<i>44</i>
" Angles on ditto, No.	<i>6 x 6</i>	<i>44</i>		<i>6 x 6</i>	<i>44</i>
" Tie Plates, outside Hatchways		<i>42</i>			<i>42</i>
" Deck * Iron or Steel, for <i>entire</i> lng.		<i>42</i>	<i>32</i>		<i>42</i>
" Wood Deck, Material & thickness					
Second Deck Stringer Plates, br'dth & thckn's	<i>60 x 60</i>	<i>32</i>		<i>60 x 60</i>	<i>32</i>
" Angles on ditto, No.	<i>6 x 6</i>	<i>17.2</i>		<i>6 x 6</i>	<i>17.2</i>
" Tie Plates, outside Hatchways		<i>42</i>			<i>42</i>
" Deck * Material and thickness <i>Steel</i>		<i>42</i>	<i>32</i>		<i>42</i>
Third, Fourth & Fifth Deck Stringer Plate,					
breadth and thickness					
" Angles on ditto, No.					
" Tie Plates, outside Hatchways					
" Deck, Material and thickness					
Poop Deck Stringer Plate, breadth & thickness					
" Angles on ditto					
" 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					

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

W150-0194 1/3

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.										
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.			Spacing of Rivets on each side of Transverses and Bulkheads.			Rivets in Brackets to Bulkheads.				
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Framing of Bridge <input checked="" type="checkbox"/>																								
Frames in Bridge 'tween Decks ...																								
Frames from Uppermost Continuous Deck																								
No. 1		7	3 1/2	475	7	3 1/2	475	7	3 1/2	475	7	3 1/2	475	7/8	5 1/2				10	7/8				
" 2																								
" 3		7	3 1/2	35	7	3 1/2	35	7	3 1/2	35	7	3 1/2	35											
" 4																								
" 5		10	3 4/5	310	10	3 4/5	310	10	3 4/5	310	10	3 4/5	310						12					
" 6																								
" 7		12	3 0/5	39	12	3 0/5	39	12	3 0/5	39	12	3 0/5	39			4" for 9 rivets								
" 8																								
" 9																			12 x 14					
" 10																3 1/2" for 9 rivets								
" 11																			16					
" 12		15	4	65	15	4	65	15	4	65	15	4	65						20					
" 13																4" for 9 rivets								
" 14		18	4	65	18	4	65	18	4	65	18	4	65											
" 15																								
" 16																								
Spacing of Longitudinal Frames		Amidships		30				30				20 1/4												
At Ends				20 1/4								20 1/4												
Double Bottoms		Tank Top Longitudinals		7		3 4/5		18 9		7		3 4/5		18 9		7/8		5 1/2						
L, L or C		Bottom		18		4		65		18		4		65		18		4		65				
Spacing of Longitudinals		Amidships		30				30				20 1/4												
At Ends				20 1/4								20 1/4												
Transverses.																								
In Bridge		Depth and Thickness		18		4		65		18		4		65		18		4		65		7/8 4 Channel.		
'tween Decks		Face Angles																						
		Lugs to Shell*																						
In Awaiting, Shelter or Upper 'tween Decks.		Depth and Thickness		18		4		65		18		4		65		18		4		65		7/8 4 Channel.		
		Face Angles																						
		Lugs to Shell*																						
In Hold.		Depth and Thickness		28		4 1/2		28		4 1/2		28		4 1/2		28		4 1/2						
		Face Angles		6		3 1/2		50		6		3 1/2		50		6		3 1/2		50				
		Lugs to Shell*		6		6		50		6		6		50		6		6		50		7/8 4 Date for hold to W.T. plate		
		Brackets		78		4 1/2		78		4 1/2		78		4 1/2		78		4 1/2						
Spacing of Transverse Frames				9 1/4				9 1/4				9 1/4				9 1/4								
* State if jogged or liners.																								
Longitudinal Beams of L, L or C		Bridge Deck ...		7		3 1/2		375		7		3 1/2		375		7		3 1/2		375		30		
		Awg. or Shltr. Dk.		7		3 1/2		425		7		3 1/2		425		7		3 1/2		425				
		Upper		7		3 1/2		35		7		3 1/2		35		7		3 1/2		35				
		Second		7		3 1/2		35		7		3 1/2		35		7		3 1/2		35				
		Third																						
Transverse Beams.		Plate.		18 x 4 1/2		6 x 3 1/2 x 4 1/2		18 x 4 1/2		6 x 3 1/2 x 4 1/2		18 x 4 1/2		6 x 3 1/2 x 4 1/2		18 x 4 1/2		6 x 3 1/2 x 4 1/2						
		Angles.		24 x 1 1/2		6 x 3 1/2 x 7 1/2		24 x 1 1/2		6 x 3 1/2 x 7 1/2		24 x 1 1/2		6 x 3 1/2 x 7 1/2		24 x 1 1/2		6 x 3 1/2 x 7 1/2						

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

Se. 3, 17.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 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) 2 Decks steel & shelter deck steel
Official No. 221861; Signal Letters MDJG. State if Machinery is fitted aft Yes
How are the surfaces preserved from oxidation? Inside cement pumpin water ballast & dry cargo spaces only Outside paint.

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

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	17'-0"	94		Fore peak tank,	24'-7 1/2"	177	
Double bottom, under Engines and Boilers,				After peak tank,	16'-0"	26	
Double bottom, if under Engines only,	46'-3"	17 1/2		Deep tank, aft,			
Double bottom, if under Boilers only,	34'-6"	110		Deep tank, forward,	54'-0"	694	
Double bottom, forward,				Other tanks, if fitted, <i>Collision, No. 1, 199 tons No. 2, 195 tons peak.</i>		589	
	Total capacity of double bottom	328		(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 Geo.

Order for Special Survey No. 8.
Date 27 July 1920
No. 12 in builder's yard.

DATES OF SURVEYS held while building
1920 July 15, 22, 29 Aug 5, 12, 19 Sep 7, 20 Oct 14, 21, 28 Nov 4, 11, 18, 25 Dec 2, 9, 16, 23, 30
1921 Jan 6, 13, 20, 27 Feb 3, 10, 17, 24 Mar 3, 10, 17, 24 Apr 7, 14, 21, 28 May 5, 12, 19, 26 Jun 2, 9, 16, 23, 30 Jul 7, 14, 21, 28 Aug 4, 11, 18, 25 Sep 1, 8, 15, 22, 29 Oct 6, 13, 20, 27 Nov 3, 10, 17, 24 Dec 1, 8, 15, 22, 29
1922 Jan 5, 12, 19, 26 Feb 2, 9, 16, 23, 30 Mar 6, 13, 20, 27 Apr 3, 10, 17, 24 May 1, 8, 15, 22, 29 Jun 5, 12, 19, 26 Jul 2, 9, 16, 23, 30 Aug 6, 13, 20, 27 Sep 3, 10, 17, 24 Oct 1, 8, 15, 22, 29 Nov 5, 12, 19, 26 Dec 2, 9, 16, 23, 30

Total No. of Visits 83

Surveyor's Signature

J. Hughes Boyle