

92670

# STEEL STEAMER or MOTORSHIP.

15 AUG 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

14<sup>th</sup> August 1930 Port of BelfastNo. 10,337Survey held at BelfastDate First Survey 18<sup>th</sup> June 1929Last Survey 7<sup>th</sup> August1930

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Twin Screw Motorship "TAYBANK"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure with Tonnage opening State Type of Erections ✓TONNAGE under Tonnage Deck... 4978.59CLASS + 100 A1State if with freeboard as condition of Class YesBuilt at BelfastDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 425Breadth (greatest moulded) B 57Total 4978.59Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.83Gross Tonnage 5626.5Actual depth to Upper Deck 38.58Register Tonnage 3437.281st Longitudinal Number (L x D) = 16077.752nd Numeral L x (B + D) = 40302.75

## REGISTERED DIMENSIONS.

Length 426.75Framing Depth "d," at middle of length. See Sec. 3 (1d) 26.02Breadth 57.4Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.01Depth 25.75Do. Long Bridge to top of keel ✓Draught Moulded 25 - 10 5/8Launched 28 April 1930 Yard Nov 512Builders Workmen Black (1928) LtdOwners Bank line Ltd.Managers A. Wei & Co.

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

Residence ✓Port of Registry Belfast

If surveyed while building, afloat, or in dry dock

While building, afloat in dry dock.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b> .....	36		<b>Bracket Floors, Frame</b> <u>L.N.B.</u> .....	7 3 1/2 33	<u>Appt. 6 x 3 1/2 x 40</u>
" " from 1/2 length to Collision bulkhead.....	27		" " Reversed Frame <u>L.N.B.</u> .....	7 3 1/2 33	<u>6 x 3 1/2 x 40</u>
" " in peaks.....	24		" " Vertical Struts <u>L. Two</u> .....	10 x 3 1/2 x 3 1/2 42	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	44 1/2 x 58	
Frame Amidships, Angle, <u>∟</u> .....	9 3 1/2 56		" " top Angles <u>double</u> .....	3 1/2 3 1/2 54	
" " Extends up to .....	Upper 512		" " bottom Angles <u>- do -</u> .....	5 5 62	
Reversed Frame Amidships, Angle .....	9 3 1/2 64		<b>Side Girders, No. each side and thickness</b> .....	One 42	
" " Extends up to...	2 <sup>nd</sup> Deck		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	38 56	<u>See plan Appt. 15/4/29</u>
Depth of Framing Girder.....	14		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	6 6 46	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>∟</u> .....	9 3 1/2 56		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem .....	6 6 46	
" " Second 'tween Decks, Angle, <u>∟</u> or <u>∟</u> .....	- - -		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	17 7/8 R	<u>continuous tank top plate 11 7/8 R</u>
" " Third " " " " " " .....	- - -		" " Gussets, spacing and scantling forward 1/2 len. from stem.....	8 7/8 R	<u>continuous tank top plate 18 at painting</u>
Framing in Peaks, Angle <u>∟</u> .....	7 1/2 3 1/2 43		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	73 x 53	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8 @ 4 7/8		<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled .....	Yes		Breadth and thickness of Middle Line Strake ...	54 52 16 44	
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	10 4 60	Owners Extra	Thickness of remainder in Holds .....	46 16 42	
4 Intercostal side stringers in No. 1 hold 42, Angle 6 x 3 1/2 x 42	10 4 70	4 L beams at 3 <sup>rd</sup> stringer with 36 1/2 x 35 stringer in way of 9 spaces abaft Coll. Bld.	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in <u>Q.B.</u> space and framing in <u>Rankers and Boiler Room?</u> .....	Yes	
<b>STRENGTHENING OF BOTTOM FOR WARD.</b> State Particulars <u>Frames</u> .....	6 6 46		<b>BEAMS.</b>		
Extra full 1/2 depth intercostal side girders as approved			<b>Uppermost Continuous Deck, amidships</b> .....	10 3 1/2 46	
<b>SINGLE BOTTOM.</b>			" " in Wells, Angle, <u>∟</u> or <u>∟</u> .....	N.B.S.	
Floors, Depth and thickness at mid-line in Holds .....			" " in way of Bridge, Angle, <u>∟</u> or <u>∟</u> .....		
Height of Brackets at side above base line at toe of frame .....			Spacing .....	Every frame.	
<b>Middle Line Keelson, on Floors, Angles</b> <u>∟</u> or <u>∟</u> .....			<b>Second Deck, amidships, Angle, <u>∟</u> or <u>∟</u></b> .....	12 x 3 1/2 x 3 1/2 58	
" " Through Plate or Intercostal Plate .....			Spacing .....	Every frame.	
" " Foundation Plate on Floors .....			<b>Third Deck, amidships, Angle, <u>∟</u> or <u>∟</u></b> .....		
" " Flat Plate Keel Angles .....			Spacing .....		
<b>Side Keelsons, No. each side</b> .....			<b>Fourth Deck, amidships, Angle, <u>∟</u> or <u>∟</u></b> .....		
" " thickness of Intercostal Plate...			Spacing .....		
" " Angles .....			<b>Poop Deck, Angle, <u>∟</u> or <u>∟</u></b> .....		
<b>DOUBLE BOTTOM.</b>			Spacing .....		
Solid Floors, thickness and spacing .....	42 stiffened, in alternate frames		<b>Bridge Deck, Angle, <u>∟</u> or <u>∟</u></b> .....		
er. under Engines, deep links <u>sp. of 3/16</u> (50 in Mac. Sp.) on every Yes			Spacing .....		
Are Frame and Reversed Frame joggled? .....			<b>Forecastle Deck, Angle, <u>∟</u> or <u>∟</u></b> .....		
Bracket Floors, breadth and thickness at middle line.....	33 1/2 45		Spacing .....		
" " breadth and thickness at margin plate.....	35 45				



# PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	One			Stringer Plate, breadth and thickness in way of Bridge .....	-	-	-
"    in 'tween Decks, Size and Spacing.....	3½	alt. frames		Thickness of Plating abreast Deck openings in way of Wells.....	40	to	31
"    "    "    "    "    "				Thickness of Plating abreast Deck openings in way of Bridge .....	-	-	-
"    in Holds    "    "	centre line Bhd.			Thickness of Plating within line of openings...	34	to	31
"    "    "    "    "				If Sheathed, material and thickness .....			
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....	9	3½	52	Stringer Plate, breadth and thickness.....			
Every frame.    "	10	3½	55	If Plated, state thickness.....			
Plating, thickness of .....			28	<b>Fourth Deck.</b>			
<b>STRINGERS AND DECKS.</b>				Stringer Plate, breadth and thickness.....			
<b>Uppermost Continuous Deck.</b>				If Plated, state thickness .....			
Stringer Plate, breadth and thickness in Wells to .....	61	63		<b>Poop Deck.</b>			
"    "    "    "    in way of Bridge	-	-	-	Stringer Plate, breadth and thickness .....			
"    Angle in Wells .....	6	6	60	Plating, Sheathing, material and thickness ...			
to .....	3½	3½	44	<b>Bridge Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....	62	to	36	Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Bridge .....	-	-	-	Plating, Sheathing, material and thickness ...			
Thickness of Plating within line of openings...	40	to	36	<b>Forecastle Deck.</b>			
If Sheathed, material and thickness .....	3"	Oregon pine		Stringer Plate, breadth and thickness.....			
<b>Second Deck.</b>				Plating, Sheathing, material and thickness ...			
Stringer Plate, breadth and thickness in Wells to .....	72	42					
to .....	36	35					

# SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	No	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.		Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	53	80	70	70		Double	1	8 Rivs. per f. space in ex. row.	Four (to three)	1	4	Lapped	
„ DBLG. (if any)	-	-	.62	.62									
BOTTOM PLATING, No. of Strakes ...4.....)	76	65	4.50	4.50		Double	7/8	9 Rivs. per f. space	Four (to three)	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes .....1.....)	66	65	50	50		"	"	f. space	- do -	"	"	"	
SIDE PLATING, No. of Strakes .....4.....)	78	65	48	48		"	"	in	Three	"	3 1/8	"	
UPPER DECK, Sheer- strake in Wells.....)	84	68	48	48		"	"	each row exc.	Four	"	3 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...)													
STRAKE BELOW Sheer- strake in Wells.....)	75	65	48	48		"	"	frame rivets.	Three	7/8	3 1/8	"	
STRAKE BELOW Sheer- strake in Bridge ...)													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING													

# WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	Seven
Extending to Upper Deck (Sec. 3 c)	One (Collision)
"    Deck next below	Six
As per Rule	Seven

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D, Upper tween decks</b>					
"    "    Second    "					
"    "    Third    "					
"    "    Holds    "	50 to 56	12x3½x44	30	8x3x44	24
<b>COLLISION</b> "    (in Hold) .....	50 to 56	10x3½x54	24	8x3x44	24
<b>AFTER PEAK</b> "    "    .....	50 to 56	10x3½x40	24	8x3x44	24

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>				
<b>STEM .....</b>		Rolled bar 10x2½		
<b>STERN FRAME</b> { Propeller Post .....				
{ Rudder .....				
<b>RUDDER—A x D.....</b>		638		
<b>Speed of Vessel.....</b>		13½		
<b>RUDDER</b> mainpiece at head ...	Forging	11 7/8		
"    "    heel ...		9		
how constructed .....	Forged	built + shrunk arms.		
double or single plate	Single	1.03		
coupling, vertical or horizontal.....	Vertical			

# STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Baldwin's Ltd., The Lancashire Steel Co. Ltd., Pease & Partners Ltd., Steel Company of Scotland Ltd., Barsett Iron Co. Ltd., Colville & Co. Ltd., Skinningrove Iron Works, Beardmore & Co. Ltd. Open hearth process

Has the Steel been tested as required by the Rules? Yes. Invoices herewith.



EQUIPMENT No. 41005												LETTER 6+		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EL. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
62656	1st Bower ...	69	1	14	-	-	-	53	7	2	-	69-0-0	Byers' Type	S. Taylor & Sons	Tipton 19/9/29. H. C. Leeson
62654	2nd " ...	69	0	21	-	-	-	53	7	2	-	69-0-0	- do -	(Bridley Hill) do	Tipton 18/9/29. H. C. Leeson
62776	3rd " ...	69	-	-	-	-	-	53	5	-	-	69-0-0	- do -	- do -	Tipton 10/10/29. W. A. Drysdale
	Collective weight.	207	2	7								207-0-0			
62953	Stream .....	20	3	14	5	1	14	21	10	1	7	20-2-0	Ordinary	- do -	Tipton 28/11/29. W. A. Drysdale

CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
14043	300	2 3/8	10 1/2	14 2/10	845-3-23	844-0-0			300	2 3/8	Stud link	S. Taylor & Sons. Ltd.	Bicester 6/12/29 J. R. Parsons	TOWLINE...	130	5 1/2	84 7/10	130	5 1/2
														HAWSERS & WARPS	2@100	2 3/4	21 1/10	2@100	2 3/4
														"	2@100	2 3/4	21 1/10	2@100	2 3/4
Stream of Steel Wire	120	5		70 9/10					120	5	6 strands of 24 wires	Anch. Thomson Black & Co.	Mipers.	"					

Steering Gear, Steam *Hasties hydraulic steering gear.* Steering Gear, Hand *None.* Relieving tackle *None.*

Boats *4 @ 25' x 8.05' x 3.3'* Steering Chains, Size and Test *None.* Windlass *Emerson Walker Vert. Steam.*

Ceiling in Holds, thickness and material *2 1/2" W.P. under hatchways.* Cargo Battens, thickness, material and spacing *6 x 2" Vertical between frames.*

Cargo Hatchways.—(Upper Deck) *Steel coaming.* Thickness of Hatches *3" + 2 3/4"*

Size of No. 1 Hatchway (Forward) *24' 9" x 22'* No. 2 *30' x 22'* No. 3 *30' x 22'* No. 4 *33' x 22'* No. 5 *33' x 22'* No. 6

Number of Shifting Beams and/or Fore and Afters No. 1. *5.* No. 2. *5.* No. 3. *5.* No. 4. *5.* No. 5. *5.*

Builder's Signature *F. Cunningham* **RED WORKMAN CLARK (1928) LIMITED.** SECRETARY

**GENERAL DECLARATION.** It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This vessel has been constructed in accordance with the approved plans, the Secretary's letters and to the Society's Rules. The materials and workmanship are good and to my satisfaction. The double bottom tanks, deep tanks, tanks between tunnels, fore & after peaks have been tested on completion found tight. The weather decks, watertight bulkheads & tunnels have been hose tested and found satisfactory. The freeboards as assigned have been marked, checked & cut in on the vessels side. The deep tanks and tanks between tunnels have been constructed in accordance with the approved plans for the carriage of vegetable oil - see Secretary's letter 31/5/29. The fore peak has been constructed as per plan approved 14/10/29 for the carriage of oil F.P. above 150°F. see Secretary's letter 14/11/29. The steering gear, windlass watertight don and hand pump have been tried & found satisfactory. This vessel is fitted for the carriage & burning of oil fuel F.P. above 150°F which may be carried in the double bottom except in a portion in the machinery space for feed water, lubricating oil & coffer dams.*

The amount of Entry Fee ..... £ *9 : - : -* Fees applied for, *14th Aug 1930*

Special Survey Fee .... £ *340 : 13 : -* Received by me, *23.8.1930*

*Freeboard* *9 : 3 : 4*

Travelling Expenses, if any £ : : :

State whether the Vessel has been built under Special Survey *Yes*

Certificate to be sent to *Belfast* Date of issue *25/8/30*

I am of opinion the Vessel should be Classed *+ 100 A 1* With *Freeboard*

Signature *G. R. Edgar* for *J. Hodgson.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute] **FRI. 22 AUG 1930**

Character assigned *+ 100 A 1 with fld.*

*carryg. vegetable oil in deep tanks and in tanks between tunnels.* *+ L.M.C. 8.30* *C.L.*

*Lloyd's A & C.P.* *S.B. 120 lb.*

*Write G.L. 22/8/30*



