

STEEL STEAMER or MOTORSHIP.

Received at London Office 22 MAR 1930

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

Date of completion of report

20/3/30.

Port of

Liverpool.

No.

96820.

Survey held at

Birkenhead

Date First Survey

28th June 1929

Last Survey

20th March 1930.

On the (State if Machinery fitted Aft and

Single Screw Steamer "BENEDICT."

State Type

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

Complete Superstructure with Tonnage opening

State Type of Erections

Forecastle on Shelter Deck.

TONNAGE under Tonnage Deck...

4465.75

CLASS

100A.1.

State if with freeboard as condition of Class

yes.

Built at

Birkenhead

Launched

15th January 1930

Yard No.

963.

Builders

Messrs. Cammell Laird & Co. Ltd.

Owners

The Booth Steam Ship Co. Ltd.

Managers

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

Residence

Cunard Building Liverpool

Port of Registry

Liverpool

If surveyed while building, afloat, & in dry dock

yes.

Do. 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 405.0

Breadth (greatest moulded)

B 53.5

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 36.5

Total

4465.75

Gross Tonnage

4919.53

Register Tonnage

2982.22

1st Longitudinal Number (L x D) = 14782

2nd Numeral L x (B + D) = 36450

Framing Depth "d," at middle of length. See Sec. 3 (1d)

16.66

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.09

Do. Long Bridge to top of keel

Draught Moulded

25.0.5

REGISTERED DIMENSIONS.

FEET.

408.5

53.7

26.0

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.
ES, Spacing amidships	3 1/2		Bracket Floors, Frame	B.A. 9 3 1/2 40	
" from 1/2 length to Collision bulkhead	27		" " Reversed Frame	B.A. 8 3 42	
" in peaks	24		" " Vertical Struts	B.A. 12 3 1/2 42	
FRAMING. In nos. 488 holds	12 x 4 x 4 x 56	Channel 6 1/2 x 4	Centre Girder, depth and thickness amidships	43 - 56	
ume Amidships, Angle, E or [10 3 1/2 44		" " top Angles	Double 3 1/2 3 1/2 54	
" Extends up to	3 1/2 Decks		" " bottom Angles	Double 4 4 60	
versed Frame Amidships, Angle			Side Girders, No. each side and thickness	One - 42	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 1/2 - 54	
pth of Framing Girder	10		" " Vertical Angle to Tank side Bracket a. aft 1/2 len. from stem	3 1/2 3 1/2 44	
ames in Uppermost Continuous 'tween Decks, Angle, E or [6 3 1/2 38 angle B.A.		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 44	
" Second 'tween Decks, Angle, E or [7 3 1/2 39		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 44	Angles single
" Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 44	Angles double
aming in Peaks, Angle or [7 1/2 3 1/2 38		Tank Side Brackets, height above base line at toe of Frame and thickness	5-9 1/4 - 47	
iameter and Spacing of Rivets through Shell Plating	7/8 - 6 1/2 dia.		INNER BOTTOM PLATING.		
ate if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	64 - 51	
TING ARRANGEMENTS (Sec. 7), state system and particulars	Beams 9 1/2 x 3 x 40 B.A. 12 side stringers carried into hold.		Thickness of remainder in Holds	44	
LENGTHENING OF BOTTOM FORWARD. State Particulars	Solid bottom 2 lines in holds. 3 strakes shell plating carried into hold.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	yes.	
GLE BOTTOM.			BEAMS.		
doors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or [8 3 40	7 1/2 x 3 x 41
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or [
iddle Line Keelson, on Floors, Angles, E or [Spacing	every frame	
" " " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or [8 1/2 3 44	
" " " Foundation Plate on Floors			Spacing	every frame	
" " " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or [8 1/2 3 43	
Side Keelsons, No. each side			Spacing	every frame	
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or [
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or [
Solid Floors, thickness and spacing	42 - 63		Spacing		
" " Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, E or [
Bracket Floors, breadth and thickness at middle line	2-8 1/2 - 42		Spacing		
" " breadth and thickness at margin plate	2-8 1/2 - 42		Forecastle Deck, Angle, E or [7 3 1/2 38	
			Spacing	every frame	

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.
PILLARS, No. of Rows.....	<i>one</i>	<i>Two (callets)</i>			
" <i>upper</i> in tween Decks, Size and Spacing.....	<i>3" x 3 3/4" dia. solid.</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>✓</i>	
" <i>Lower</i> " " " "	<i>Built as approved.</i>		Thickness of Plating abreast Deck openings) <i>in way of Wells</i>	<i>.36</i>	<i>✓</i>
" in Holds " " "	<i>Built as approved</i>		Thickness of Plating abreast Deck openings) in way of Bridge	<i>✓</i>	
" " " " "	<i>widely spaced ✓</i>		If Sheathed, material and thickness	<i>✓</i>	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	<i>✓</i>		Stringer Plate, breadth and thickness.....	<i>47 - .38</i>	<i>✓</i>
Plating, thickness of	<i>✓</i>		If Plated, state thickness.....	<i>.30</i>	<i>✓</i>
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	<i>✓</i>	
Stringer Plate, breadth and thickness in Wells	<i>58 - .48</i>		If Plated, state thickness	<i>✓</i>	
" " " " , in way of Bridge	<i>✓</i>		Poop Deck.		
" Angle in Wells	<i>6 6 .57</i>		Stringer Plate, breadth and thickness	<i>✓</i>	
Thickness of Plating abreast Deck openings) in way of Wells	<i>.48</i>		Plating, Sheathing, material and thickness ...	<i>✓</i>	
Thickness of Plating abreast Deck openings) in way of Bridge	<i>✓</i>		Bridge Deck.		
If Sheathed, material and thickness	<i>✓</i>		Stringer Plate, breadth and thickness.....	<i>✓</i>	
Second Deck.			Plating, Sheathing, material and thickness ...	<i>✓</i>	
Stringer Plate, breadth and thickness in Wells ...	<i>47 - .40</i>		Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	<i>38 -- 38</i>	
			Plating, Sheathing, material and thickness ...	<i>.38 unheathed</i>	

SCANTLINGS.						RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.			State if jogged?	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	52	.78	.70	.70	✓	✓	Double	1	4	4 R	1	3½	Lapped	
„ DBLG. (if any)	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes 3	77	.60	.50	.50	✓	✓	Double	7/8	3½	3 R	7/8	3½	Lapped	
BILGE PLATING, No. of Strakes 2	1-78 1-60	.60	.50	.50	✓	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 4	2-77 1-70 1-74	.60	.46	.46	✓	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells	50	.67	.46	.46	✓	✓	"	"	"	4 R	"	3½	"	
UPPER DECK, Sheer- strake in Bridge ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- strake in Wells	52	.63	.46	.46	✓	✓	Double	7/8	3½	4 R	7/8	3½	Lapped	
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
FORE'C'TLE SIDE PLATING	✓	.42	✓	✓	✓	✓	Single	3/4	3	2 R	3/4	2½	Lapped	

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) one.

„ Deck next below Seven.

As per Rule ✓

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Roll'd Steel	9½" x 2⅝"		✓
STEERN FRAME { Propeller Post	} Cast Steel	11½" x 7⅞"	The Burlington Forge Co.	✓
{ Rudder		9" x 7⅞"		✓
RUDDER—A x D. 522	✓	✓	✓	✓
Speed of Vessel. 12 Knots	✓	✓	✓	✓
RUDDER mainpiece at head	Forged Light Steel	10¾" DIA.	The Burlington Forge Co.	✓
" " heel		8⅞" DIA.		✓
" how constructed	Built, arms shrouk & keyed			✓
" double or single plate	single	1-04	✓	✓
" coupling, vertical or horizontal	Horizontal		✓	✓

Manufacturer's name or trade mark of the Steel used in the construction of the
Vessel (state process of manufacture) *S. M. open hearth. Baldwin, Pa.*
Dorman Long, Lease & Partners, Cargo Fleet Works, Cleveland Steel Works, Consett Iron
Verineite Steel Works Aktiengesellschaft.
Has the Steel been tested as required by the Rules? *Yes.*

leasant

22 MAR 1930

EQUIPMENT No. ^{one grade in} ^{section supplied} ^{normal} LETTER "A"										ANCHORS. 3 B-15-1K.			
Number of Certificate.	Anchors.	WEIGHT, ^{lbs.} STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
62855	1st Bower	68	2	7	-	-	-	52	18	3	0	S. Taylor & Son Ltd	L.P.H.T. 29/10/29. W.A. Drysdale
62854	2nd "	68	1	5	-	-	-	52	18	2	14	"	"
62853	3rd "	59	1	10	-	-	-	47	19	2	21	"	"
Collective weight.		196	0	22	✓	✓	✓	✓	✓	✓	✓	✓	✓
62976	Stream	19	1	0	4	3	14	20	1	3	14	S. Taylor & Son Ltd	L.P.H.T. 5/12/29. W.A. Drysdale
62977	KEOGG	15	1	9	4	0	0	16	16	2	7	"	"

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.	
	Fathoms.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule "Z"	Cwts.	Fathoms.	Diam.					Fathoms.	Cir.		Fathoms.	Cir.
14069	270 1/2	2 5/16	✓	✓	732-3-11	682 1/4	270	270	2 1/4	plaid	S. Taylor & Son Ltd.	L.P.H.C. 8/1/30. J.A. Parnham	TOWLINE	120	4 1/2	39	120	4 1/2
Stream	90	4 1/4	✓	35	✓	✓	✓	✓	90	4 1/4	✓	✓	HAWSERS & WARPS	2-90	2 3/4	15 1/2	2-90	2 3/4
														2-90	2 1/2	12 1/2	2-90	2 1/2

Steering Gear, Steam *By Brown Bros. Ltd. (Telemotor)* ✓ Steering Gear, Hand ✓

Boats 4- 25'-0" x 7'-8" x 3'-2' Steering Chains, Size and Test ✓ Windlass *steam by Clark Chapman.*

Ceiling in Holds, thickness and material *2 1/2" P. Pine in way of hatches* Cargo Battens, thickness, material and spacing *6" x 2 1/2" W. Pine spaced 8"*

Cargo Hatchways.-(Upper Deck) *Constructed of plates and angles* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *27'-0" x 18'-1"* No. 2 *36'-9" x 18'-1"* No. 3 *18'-4" x 18'-1"* No. 4 *18'-9" x 18'-1"* No. 5 *28'-10" x 18'-1"* No. 6 *28'-7" x 18'-1"*

Number of Shifting Beams and/or Fore and Afters *ho. 1-5; ho. 2-7; ho. 3-3; ho. 4-3; ho. 5-5; ho. 6-4.*

DAMMELL LAIRD AND COMPANY LIMITED.

Builder's Signature *Robt. S. Johnson* MANAGING DIRECTOR

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans, the Secretary's letters, and the Society's rules for the class contemplated. The workmanship and materials are good.*

A freeboard of 3'-7 1/2" has been assigned and verified, and the freeboard marks cut in on the vessels sides.

All double bottom tanks, peak tanks, deep tank, decks and bulkheads have been satisfactorily tested.

Approved plans 20 in number (details on page 4) are forwarded with this report.

Stream line fin plates have been fitted to the stem frame.

The amount of Entry Fee £ 8 : 0 : 0 } Fees applied for, *20 MAR 1930*

Special Survey Fee.... £ 321 : 0 : 0 } Received by me, *12/4/30*

Freeboard
Travelling Expenses, if any £ 8 : 6 : 8

I am of opinion the Vessel should be Classed *100 A.1.* with freeboard.

State whether the Vessel has been built under Special Survey *yes* Signature *E.H. Dean*

Certificate to be sent to *Liv.* Date of issue *14/4/30* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *LIVERPOOL 21 MAR. 1930*

Character assigned *+ 100 A1 - 3.30*

With freeboard

Lloyds A + CP.

+ L.M.C. 3.30

T.D. Ch.

Elec. Light

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

The following approved plans are forwarded herewith.

Midship Section.
Deep Tank
Watertight Hatches
Constructional Decks
Iron Deck Ladders
Masts Plan
Cargo Hatches
Pillars & Girders
Longitudinal Section.

Shaft Tunnel
Framing details in nos. 4 & 5 Holds
Aft End Framing
Bottom Framing forward
Stem and Rudder Frames
Stream line plate on Rudder Post
Multiple Riveting (Decks)
" " (Tank Top).
Cast Iron Scuttles.

Arrangement of Brown Bros. Patent Steering Gear.
Forged Ingot Steel Tiller for Steering Gear.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower *WT 38-1-0 Cuts; Initials A.B.; Cert. No. 2288; Date 27th August 1929.*
2nd " *" 37-3-6 " ; " J.Q.; " " 397; " 23rd August 1929.*
3rd " *" 34-1-15 " ; " A.L.; " " 2300; " 11th September 1929.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle **32.0** ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

Official No. **161145**; Signal Letters

Particulars of composition **Cement.**

If bottom of Vessel has been coated Inside **yes** give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	120.75	301.5	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	19.0	93
Double bottom, if under Engines only,	F.W. 26.25	95.0	Deep tank, aft,	18.0	36
Double bottom, if under Boilers only,	39.37	147.0	Deep tank, forward,	31.5	730
Double bottom, forward,	163.12	455.0	Other tanks, if fitted, F.W. Tanks 55-60	13.12	35
Total capacity of double bottom	998.5		(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. **1238.**

Date **18/6/29.**

Dates of Surveys held while building

June 28, July 12, Aug 16, 20, 21, 23, 27, Sept 2, 5, 10, 13, 16, 24, 30, Oct 3, 4, 10, 11, 14, 16, 21, 24, 25, 28, 30, Nov 1, 5, 8, 13, 14, 21, 27, Dec 3, 4, 5, 9, 11, 13, 18, 19, 20, 23, 30, 31, Jan 2, 3, 6, 8, 9, 10, 13, 14, 15, 23, 30, Feb 3, 6, 7, 10, 11, 12, 14, 18, 19, 24, 27, 28, Mar 3, 11, 12, 13, 20

Lloyd's Register
Total No. of Visits **72**