

With or Without

# STEEL STEAMER.

Sou. Rpt Na 10939.

THU. 2 JUN. 1921

Received at London Office

## Disconnected Erections.

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

Date of completion of report

Survey held at

12 June 1921

Port of

Southampton

No

Date, First Survey

5 May 1921

Last Survey

July 4<sup>th</sup>

1921

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

TONNAGE under

Tonnage Deck

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

Total under Upper Dk.

Do. of Poop

Do. of R.Q. Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Ordon of Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

CLASS

+ 100 A1

FEET.

Master

E. C. Laidlay

Year of appointment

(1) As Master in service of owner of present vessel: 1922

(2) As Master of this vessel: June 1921

Built at

Vegesack Germany

When built

1919

Launched

By whom built

Brunner Vulcan

Owners

Nall Line Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Tower Building, Liverpool

Port belonging to

London

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock

Afloat

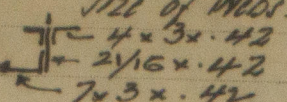
LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	Feet.	Inches.	No. of Tiers of Beams	Feet.	Inches.
476			60		7	32		8	12			12		
Moulded depth, ft. 43 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 ins.														
Moulded depth, ft. 35 ins. 6 To Upper Dk. Dk. Beam, Actual														
Dimensions of Ship per Register. Length 476 breadth 60.75 depth 32.8														
FRAMING.														
FRAME, Angles, or Bars amidships	9 3/8	3 1/2	50											
Do. in peaks	9 3/8	3 1/2	50											
Do. in way of Double Bottoms at Solid Floors														
at intermdt. Bkts.														
Spacing of Frames from centre to centre amidships	28.34													
from 1/2 length to Collision bulkhead	27.55													
in peaks	23.62													
REVERSED FRAME, Angles	4 3/8	3 1/2	43											
Do. in way of Double Bottoms at Solid Floors														
at intermdt. Bkts.	9 3/8													
FRAMING, depth of girder														
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships														
in way of Engine and Boiler Spaces														
thickness at the ends of vessel														
depth at 1/2 the half breadth, as per Rule														
height extended at the Bilges														
FLOORS in Cell Double Bottoms	46 1/2		42											
state if flanged (top & bottom)														
Spacing of Solid floors	28.34 - 27.55													
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	46 1/2		50											
Angles, Top														
Bottom														
to Floors														
Brackets at intermdt. frmg., width & thkness	1 1/2		38											
SIDE GIRDERS, number on each side & thickness														
state if flanged (top and bottom)														
Angles (top and bottom)														
to Floors	39		50											
MARGIN PLATE, depth (exclusive of flange) and thickness	10													
Angle to Outside Plating	TO TOP OF MARGIN ANGLE													
Floors														
Brackets at intermdt. frmg., width & thkness	30													
Height of Outside Brackets above at bilge														
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	43		53											
in Engine and Boiler space	63		70											
Remainder in Holds														
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	54											
In way of Long Bridge														
Spacing	very frame													
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	56											
Spacing	very frame													
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50											
Angles on upper edge	very frame													
Spacing	very frame													
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 3/8	3 1/2	40											
Angles on upper edge	altern. frame													
Spacing	altern. frame													
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	40											
Angles on upper edge	very frame													
Spacing	very frame													
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 3/8	3 1/2	55											
Angles on upper edge	altern. frame													
Spacing	altern. frame													
PILLARS.														
PILLARS In 'tween Deck, size and spacing														
" Hold														
" Quarter 'tween Dks.,														
" in Hold														
KEELSONS & STRINGERS.														
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate														
" Rider Plate														
" Flat Plate Keel Angles														
" Horizontal Plates on Floors														
" Angles or Bulb Angles														
SIDE KEELSONS, Number														
" Angles or Bulb Angles														
" Plate above floors, for length														
" Intercoastal Plate, for length														
" Attached to outside Plating with Angle														
BILGE KEELSON, Angles														
" Intercoastal Plate for length														
" Attached to outside Plating with Angle														
SIDE STRINGERS, Number														
" Angle														
" Intercoastal Plate, for length														
" Attached to outside plating with Angle														
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)														
" br'dth & thickness (in way of Bridge)	74 1/2	84 1/2	76											
" Angle (clear of Bridge)	7 x 7	76												
" Tie Plate at sides of Hatchways														
Deck, Iron or Steel, for full lng.														
" Thickness (clear of Bridge) (in way of Bridge)														
Wood Deck, Material & thickness	Oregon pine 5 x 3 1/2													
Second Deck Stringer Plate, br'dth & thickness	74 1/2	84 1/2	75											
" Angles on ditto, No.														
" Tie Plates outside Hatchways														
Deck, Iron or Steel, for full lng.														
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, br'dth & thickness														
" Angles on ditto, No.														
" Tie Plates outside Hatchways														
Deck, Material and thickness														
Poop Deck Stringer Plate, breadth & thickness	3 x 3	40												
" Angle on ditto														
" Tie Plates														
Deck, Material and thickness	Oregon pine 5 x 3													
Bridge Deck Stringer Plate, br'dth & thickness	67 1/2	70												
" Angle on ditto	5 x 5	50												
" Tie Plates	5 x 5	29												
Deck, Material and thickness	5 x 5	29												
Forecastle Deck Stringer Plate, br'dth & thickness	36	42												
" Angle on ditto	3 x 3	40												
" Tie Plates														
Deck, Material and thickness	Oregon pine 5 x 3 1/2													



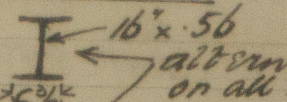
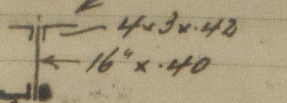
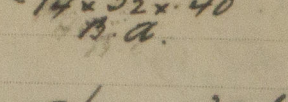




Weather Deck Hatchways.

No.	Size	Coaming	No. of Web plate	Size of Webs.	Bulk angle on hatch side
1	28.0 x 18.0	36" x 44	Five		8 x 3 1/2 B.A.
2	33.4 x 18.0	36" x 44	Five	do.	10 x 3 1/2 "
3	28.9 x 18.0	36" x 44	Five	do.	10 x 3 1/2 "
4	16.7 x 18.0	36" x 44	Three	do. plates on alt. web.	10 x 3 1/2 "
5	28.9 x 18.0	36" x 44	Five	do. 2 1/2" deeper than others.	10 x 3 1/2 "
6	21.6 x 18.0	36" x 44	Three	do.	11 x 3 1/2 "

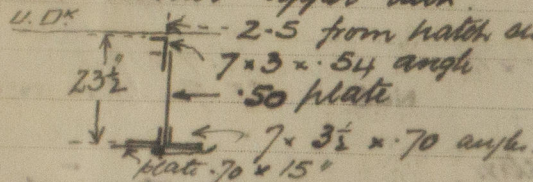
Lower Deck Hatchways.

1	28.0 x 18.0	11" x 50	Five		
2	37.10 x 18.0	plate flanged	Six	alt. rivets on all hatches	
3	25.9 x 18.0	"	Five		
4	Deep Tank	"	-		
5	25.9 x 18.0	"	Five		
6	21.6 x 18.0	"	Three		

Deck Girders.

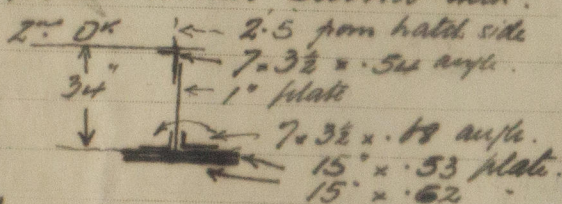
- Span 35 feet.

Girder under upper deck.



Girder under second deck.

Span 35 feet.

Build pillars.

Hold pillars 15 1/2" dia. at hatch ends.

Berth upper 2" dia 12 1/2 "

Upper deck stringer

Forward at 2nd front .76, .84 at break of bridge

aft at Poop front .55, then .62, .79, .89 at break

Inner

Height from base to top of flat side 6' 0"

Vertical plating .44, top plating .50 no cleading

Stiffeners 5 x 2 1/2 x .38 B.A. @ 30" apart.

Centre line bulkhead fitted in way of Deep tank

Centre divisional bulkhead fitted between hatch ends and bulkheads.

Lower hold bulkhead .36 plating, stiffeners 8 x 3 1/2 x .48

@ about 4' 6" apart.

Inner deck bulkhead .25 plating, stiffeners 5 x 2 1/2 x .38

@ about 4' 6" apart.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28 ft., R.Q.D. ft., Bridge 142.5 ft., Forecastle 85.7 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 and should appear in the Register Book) 2nd Dks (steel) 1st wood upper dth.

Official No. 143427 ; Signal Letters.

State if Machinery is fitted aft. No.

How are the surfaces preserved from oxidation? Inside

Paint, cement, &amp; Bitumastec in inside &amp; outside

Outside

Paint.

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	144	363	Fore peak tank,		
Double bottom, under Engines and Boilers,	73	388	After peak tank,	10	39
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	202	852	Other tanks, if fitted,		
Total capacity of double bottom	419	1803	(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 Satisfy

Order for Special Survey No.

Date

No. in builder's yard.

Dates of Surveys held while building

1920. Mar 5. 8. 9. 11. 12. 17. 19. 21. 25. 27. 29. 30.  
June 3. 7. 29. July 1. 2. 4.

Surveyor's Signature

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Total No. of Visits 18.