

1st 2 Dks. R.O. Dk.

and Pt. Awnng. Dk.

IRON OR STEEL STEAMER.

No. 13717

State if Report is also sent on the Machinery of the Vessel. *yes*Date of completion of Report *4 June 1909*Port of *WEST HARTLEPOOL*Received at London Office *27 JUN 1909*Date, First Survey *19 Dec 08*Last Survey *26 May 1909*Survey held at *WEST HARTLEPOOL*On the *Screw Steamer**"BROOMHILL"*Rig *Schooner*

TONNAGE under

1087.52

Do. of Poop

32.47

Do. of Raised Qr.

76.77

Do. of Bridge House

78.36

Do. of Forecastle

27.45

Do. of Houses on Deck

15.31

Do. of excess of Hatchways

74.21

Do. above Crown of

Engine Room

1392.09

Gross Tonnage

54.15

Less Crew Space

Less above Crown of

Engine Room

1337.94

TONNAGE FOR FEES

445.47

Engine Room

49.38

Navigation Spaces

Net Tonnage

843.09

at on Beam

ONE OR TWO DECKED VESSEL.

CLASS *+ 100 A 1*

FEET.

Half Breadth (moulded)

17.92

Depth from upper part of Keel to top of Main Deck Bms.
(with the normal round up of beam)

17.73

Girth of Half Midship Frame (as per Rule)

32.87

1st Number

68.52

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

242.17

2nd Number

16594

Proportions—Breadths to Length

6.76

Depths to Length—Main Deck to top of Keel

13.66

Destined Voyage *Dagenham*

Surveyed while Building, Afloat, & in Dry Dock

Master *George Wright*

Year of appointment

(1) As master in service of owner of present vessel—1909
(2) As master of this vessel—1909Built at *West Hartlepool*When built *1909*Launched *6th May 09*By whom built *Prin's S.S. & S.C. Co. Ltd.*Owners *Broomhill Collieries Ltd.*

Managers

Newcastle

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

Residence *Newcastle*Port belonging to *Newcastle*

Length on Deck as

Feet. 242

Inches. 2

BREADTH—

Moulded

Feet. 35

Inches. 10

DEPTH, ACTUAL—

Top of Floors to top of Main Deck Beams

Feet. 14

Inches. 10 3/4

No. of Decks with Flat laid

one

No. of Tiers of Beams

one

Dimensions of Ship per Register, Length, 243.3 breadth, 36.0 depth, 14.8 Moulded Depth, 17 ft. 0 ins. Round of Beam, Actual 8 3/4 ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
ME, Angles, L, E, L Bars, for 1/2 length amidships	7 1/2	3	9.8	7 1/2	3	9.8
for 1/2 at each end in way of quarter de	7 1/2	3	10.9	7 1/2	3	10.9
in way of Double Bottoms at Solid Floors	3	2	7.6	3	3	7.6
" " at intermdt. Bkts.	23			23		
ing of Frames from centre to centre	3	3	7	3	3	7
ERSED FRAME, Angles on floors	3	3	7	3	3	7
IP FRAMING, depth of girder	7 1/2			7 1/2		
ORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	8 6/20		8 9/20	8 6/20		8 9/20
in way of Engines and Boilers	8 6/20		8 9/20	8 6/20		8 9/20
thickness at the ends of vessel	8 6/20		8 9/20	8 6/20		8 9/20
depth at 1/2 the half breadth, as per Rule	8 6/20		8 9/20	8 6/20		8 9/20
height extended at the Bilges	8 6/20		8 9/20	8 6/20		8 9/20
ORS & BRACKETS, in Cell Dble Bottoms	6			6		
" " state if flanged (top & bottom)	6			6		
" " Spacing	23			23		
TRE GIRDER, in Double Bottom, depth and thickness	24		9.8	24		9.8
" " Angles, Top	3	3	8	3	3	8
" " Bottom	3 1/2	3 1/2	10.9	3 1/2	3 1/2	10.9
E GIRDERS, number on each side & thickness state if flanged (top & bottom)	one		6	one		6
" " Angles	2 1/2	2 1/2	6	2 1/2	2 1/2	6
RGIN PLATE, depth (exclusive of flange) and thickness	24		7	24		7
" " Angles to Outside Plating	3 1/2	3 1/2	7	3 1/2	3 1/2	7
" " Floors	3	3	7	3	3	7
" " Height of Floors at the Bilges	5 1/2		5 1/2	5 1/2		5 1/2
VER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60		8.7	60		8.7
" " thickness in Engine and Boiler space	8 8/20		8 10/20	8 8/20		8 10/20
" " Remainder in Holds	8 8/20		8 10/20	8 8/20		8 10/20
AMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6	3	8	6	3	8
" " Angles on Upper Edge	23			23		
" " Spacing	23			23		
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6	3	8	6	3	8
" " Angles on Upper Edge	23			23		
" " Spacing	23			23		
AMS, Hold, Plate or Tee Bulb	6	3	8	6	3	8
" " Angles on Upper Edge	23			23		
" " Spacing	23			23		
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3 1/2	9	5 1/2	3 1/2	9
" " Angles on Upper Edge	46			46		
" " Spacing	46			46		
AMS, Bridge or Pt. Awnng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7
" " Angles on Upper Edge	23			23		
" " Spacing	23			23		
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	9	7 1/2	3	9
" " Angles on Upper Edge	46			46		
" " Spacing	46			46		
PILLARS, in 'tween Decks, Size and Spacing	2 3/8		46	2 3/8		46
" " Hold	3 5/8			3 5/8		
" " Quarter, 'tween Dks.	3 5/8			3 5/8		
" " in Hold	3 5/8			3 5/8		
WEB FRAMES, in Fore Body, No. and Spacing	one			one		
" " Brdth. & Thickness	18			18		
WEB FRAMES, in E. & B. Space, No. & Spacing	one			one		
" " Brdth. & Thickness	18			18		
WEB FRAMES, in After Body, No. and Spacing	one			one		
" " Brdth. & Thickness	18			18		
" " No. of Side Stringers	6	4	10	3	3	7
" " Size of Angles on Tee Bars to Web Frames	6	4	10	3	3	7
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	double			double		

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	8 x 2 3/8			8 x 2 3/8		
STEM, moulding and thickness	8 x 2 3/8			8 x 2 3/8		
STERN-POST for Rudder do. do.	8 x 5			8 x 5		
" " for Propeller	6 1/2			6 1/2		
MAIN PIECE of Rudder, diameter at head do. at heel	4 1/2			4 1/2		
RUDDER, how constructed <i>Built forging, single plate</i> Can the Rudder be unshipped afloat? <i>yes</i>						
KEELSONS AND STRINGERS.						
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Bulb Plate to Intercoastal Keelson						
" Horizontal Plates on Floors						
" Angles						
SIDE KEELSON, Angles						
" Bulb or Plate above floors for Ing.						
" Intercoastal Plate for length						
" Attached to outside plating with Angle						
BILGE KEELSON, Angles						
" Bulb or Plate above floors for Ing.						
" Intercoastal Plate for length						
" Attached to outside plating with Angle						
BILGE STRINGER Angles						
" Bulb Plate for length						
" Intercoastal Plate for length						
" Attached to outside plating with Angle						
SIDE STRINGER Angles	5 1/2	3 1/2	9.8	5 1/2	3 1/2	9.8
" Bulb or Intercoastal Plate for whole Ing.	3	3	7	3	3	7
" Attached to outside plating with Angle	3	3	7	3	3	7
Main and Raised Quarter Deck Stringer Plate, breadth and thickness <i>see bridge</i>	60 - 28	14.8	60 - 28	14.8		
" Angle on ditto	3 1/2	5	12	3 1/2	5	12
" Tie Plates, outside Hatchways	4	4	9.8	4	4	9.8
" Diagonal Tie Plates on Bms., No. of Pairs						
" Main Dk* Iron or Steel for whole Ing.						
" R.O. Dk* Iron or Steel for whole Ing.						
Wood Deck, Material & thickness						
Lower Deck Stringer Plate, breadth and thickness	60	10.8	60	10.8		
" Angle on ditto, No.	4 1/2	4 1/2	9.8	4 1/2	4 1/2	9.8
" Tie Plates, outside Hatchways						
" Deck* Material and thickness <i>steel</i>						
Hold Stringer Plate						
" Angles on ditto, No.						
Poop Deck Stringer Plate, breadth & thickness	24	6	24	6		
" Angle on ditto	3 1/2	3 1/2	7	3	3	6
" Tie Plates	10	6	10	6		
" Deck, Material and thickness <i>wood</i>						
Bridge or Pt. Awnng. Deck Stringer Plate, breadth and thickness	38	9	38	9		
" Angle on ditto	4 1/2	4 1/2	10	4 1/2	4 1/2	10
" Tie Plates						
" Deck, Material and thickness <i>steel</i>						
Forecastle Deck Stringer Plate, brdth & thcknss						
" Angle on ditto	3	3	6	3	3	6
" Tie Plates						
" Deck, Material and thickness <i>2 1/2 wood over 5/8 steel</i>						
* If Iron or Steel Deck, state if whole or part, and if wood Deck is laid thereon.						
BULKHEADS.						
In Vessel.	Number.	Per Rule.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.
W.T. BULKHEADS	4	4	6	none	6 x 2 1/2	30 Single main deck
PARTITION						
LONGITUDINAL						
Are the outside Plates doubled two spaces of Frames in length? <i>diamond liners</i>						
Are the Sluice Valves and Watertight Doors in efficient working order? <i>yes</i>						

