

# STEEL SCREW STEAMER

## N<sup>o</sup> 20 MIDSHIP SECTION

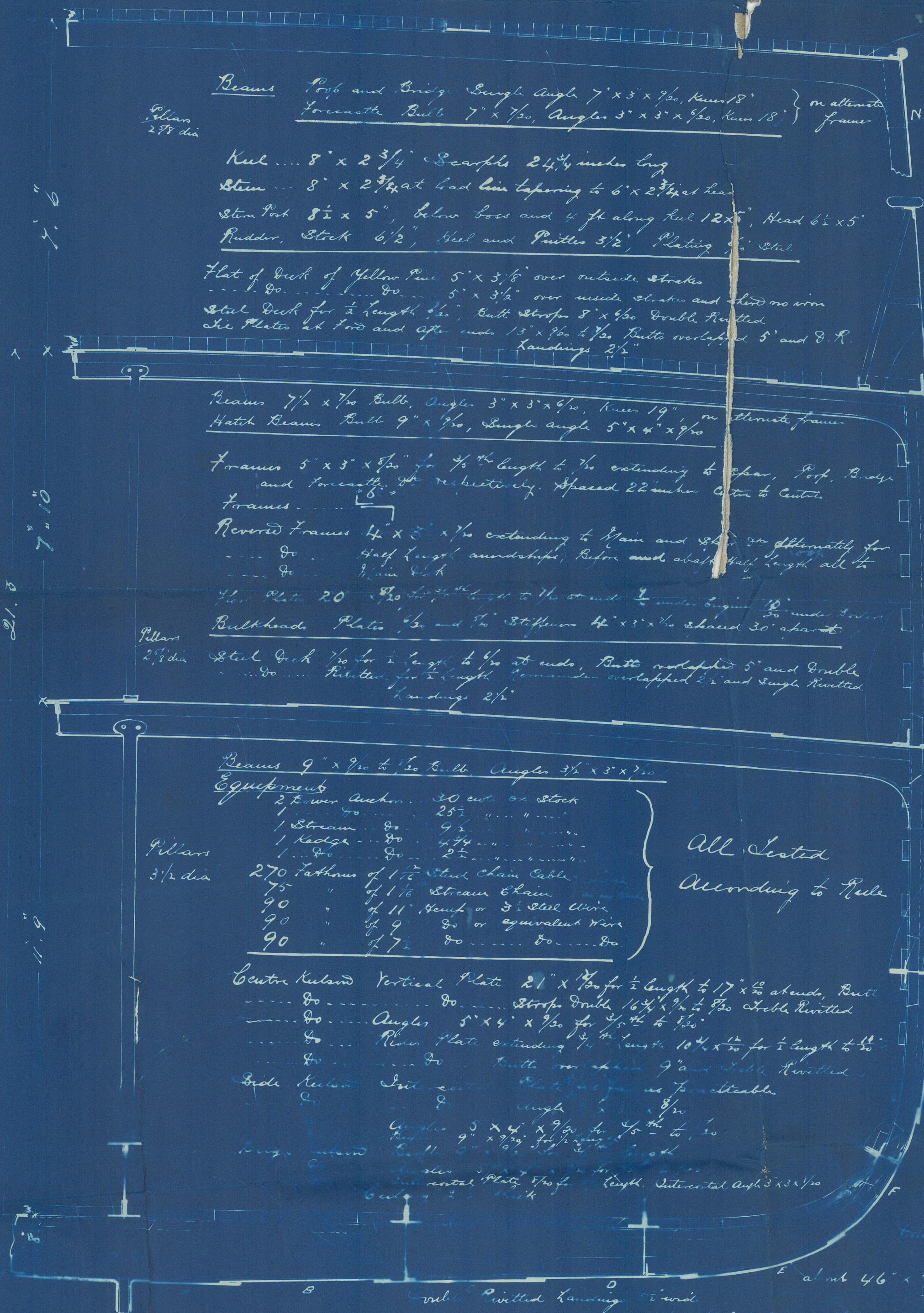
Class 100.P.1 at Lloyds Ship B<sup>o</sup> Rule Steel

Dimensions  
Length to keel 288.5  
Length to mainmast 274.1  
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Half Mainmast to stern 28.49  
Half Mainmast to mainmast 13.41  
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General  
Length to keel 288.5  
Length to mainmast 274.1  
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Half Mainmast to stern 28.49  
Half Mainmast to mainmast 13.41  
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Proportions  
 $288.5 \div 36.82 = 7.83$  Standard Breadth  
 $274.1 \div 21.25 = 12.87$  Depth to Mainmast  
 $28.49 \div 13.41 = 2.12$  Depth to Mainmast

Top, Bridge and Forecastle Lee Plating 12"x 1/2", Butts overlapped 5" and D.R.  
Do Do Do Deck of Yellow Pine 5"x 8"



Beams Top and Bridge Single Angle 7"x 3"x 7/16", Run 18'  
Forecastle Butts 7"x 7/16", Angle 3"x 3"x 7/16", Run 18'

Keel 8" x 2 3/4" Scarfing 24 1/2 inches long  
Stem 8" x 2 3/4" at head line tapering to 6" x 2 3/4" at keel  
Stem Post 8 1/2" x 5", below loss and 4 ft along keel 12"x 5", Head 6 1/2" x 5"  
Rudder, Stock 6 1/2", Head and Pintles 3 1/2", Plating 1/2" Steel

Flat of Deck of Yellow Pine 5" x 8" over outside strakes  
Do Do Do 5" x 8" over inside strakes and keel no iron  
Steel Deck for 1/2 length 5", Butts overlap 5" and Double Rivetted  
Lee Plating at Fore and Aft ends 13" x 1/2" for Butts overlapped 5" and D.R.  
Landings 2 1/2"

Beams 7/8" x 7/16" Butts, Angle 3"x 3"x 7/16", Run 19", on alternate frames  
Hatch Beams Butts 9" x 7/16", Single angle 5" x 4" x 7/16"

Frames 5" x 3" x 7/16" for 1/2 length to 1/2 extending to spar, Top, Bridge  
and Forecastle, etc. respectively. Spaced 22 inches Center to Center  
Frames

Revised Frames 4" x 3" x 7/16" extending to Main and 1/2 length to 1/2  
Do 4" x 3" x 7/16" extending to Main and 1/2 length to 1/2  
Do 4" x 3" x 7/16" extending to Main and 1/2 length to 1/2

Flat Plate 20" x 7/16" for 1/2 length to 1/2 at end 1/2 length to 1/2  
Bulkheads Plate 1/2" and 1/2" Stiffeners 4" x 3" x 7/16" spaced 30" apart

Steel Deck 1/2" for 1/2 length to 1/2 at end, Butts overlapped 5" and Double  
Rivetted for 1/2 length. Remainder overlapped 2" and Single Rivetted  
Landings 2 1/2"

Beams 9" x 7/16" to 1/2 Butts, Angle 3 1/2" x 3" x 7/16"

Equipment  
2 Power Anchors 30 cwt. on Stock  
1 Stream 80' 4 1/2" diameter  
1 Kedge 80' 4 1/2" diameter  
1 80' 8" diameter  
270 Fathoms of 1 1/2" Steel Chain Cable  
75' of 1 1/2" Stream Chain  
90' of 1 1/2" Heavy or 3" Steel Wire  
90' of 9" 3/4" or equivalent Wire  
90' of 7 1/2" 80' 80' 80'

All Tested  
According to Rule

Center Keelson Vertical Plate 21" x 7/16" for 1/2 length to 17" x 1/2 at end, Butts  
Do Do Do Straps Double 10 1/2" x 7/16" to 1/2 Straps Rivetted  
Do Do Do Angle 5" x 4" x 7/16" for 1/2 to 1/2

Do Do Do Rivetted over strakes 9" and Double Rivetted  
Do Do Do Butts overlapped 5" and Double Rivetted

Side Keelson Vertical Plate 21" x 7/16" for 1/2 length to 17" x 1/2 at end, Butts  
Do Do Do Straps Double 10 1/2" x 7/16" to 1/2 Straps Rivetted  
Do Do Do Angle 5" x 4" x 7/16" for 1/2 to 1/2

Do Do Do Rivetted over strakes 9" and Double Rivetted  
Do Do Do Butts overlapped 5" and Double Rivetted

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Stringer Bridge 36" x 7/16" Butts overlap 5" and Double Rivetted  
Do Do Do Angle 3" x 3" x 7/16"

Side Plating Top and Forecastle 7/16" Butts overlap 5" and Double Rivetted  
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Scale 1/2" INCH TO A FOOT

Material. The keel, stem, stem post, rudder, head, pillars, shaft, funnel, coal bunker, engine, boiler, casing, hatch plates, top, bridge, and hatch bulkheads, bulkhead liners, upper D<sup>o</sup>, engine boiler casing, and the rivets to be of iron. Other material on this section of steel unless otherwise specified.

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SHIPBUILDERS & ENGINEERS

GLASGOW

DRAWING NO 5360

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