

Ship "Balclutha" Glasgow Report
 Description of Steel Spant.
 Steel Sailing Ships No 147
 No 4459.

13/8/86:

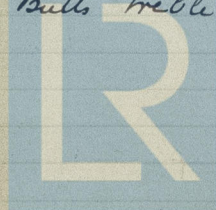
Fore Mast and Topmast in one. To Lower Mast head extreme 86'-9", to Topmast head 124'-9". Diameter at partners 30", head 19½", heel 22", Topmast head 14". Built in three plates to lower Mast head, and in two plates from lower Mast head to Topmast head. Thickness of plates, ½" at heel, ¼" at partners, ½" at Lower Mast head, and 9 ½" at Topmast head. Three angles 3½ x 3 x ½" running whole length of lower Mast.

Main Mast and Topmast in one. To lower Mast head extreme 88'-8", to Topmast head 126'-8". Diameter at partners 31", head 20", heel 22½", Topmast head 14". Built in three plates to lower Mast head and in two plates from lower Mast head to Topmast head. Thickness of plates, ½" at heel, ¼" at partners, ½" at lower Mast head, and 9 ½" at Topmast head. Three angles 4 x 3 x ½" running whole length of lower Mast.

Mizzen Mast and Topmast in one. To Lower Mast head extreme 82'-5", to Topmast head 114'-5". Diameter at partners 29", head 19", heel 21", Topmast head 13". Built in three plates to lower Mast head and in two plates from lower Mast head to Topmast head. Thickness of plates, ½" at heel, ¼" at partners, ½" at Lower Mast head, and ½" at Topmast head.

Landings of lower Masts double rivetted, of Topmasts single rivetted. All Butts treble rivetted and Straps to thicken than plates. Lower Masts doubled at heel and at wedging. Topmasts doubled at Sheave hole.

Bowsprit and Jibboom in one. Bowsprit outside K. H. 25'-10", to end of Jibboom 41'-10". Diameter at K. H. 34", Cap 18½", end of Jibboom 9". Built in three plates to Cap, and in two plates from Cap to end of Jibboom. Thickness of plates, ½" at K. H., 12 ½" at heel, ¼" at Cap, and ½" at end of Jibboom. Four angles 4½ x 3½ x ½" and Diaphragm plate fitted in Bowsprit. Bowsprit doubled at heel. Landings of Bowsprit double rivetted, of Jibboom single rivetted. All Butts treble rivetted and Straps to thicken than plates.



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Fore and Main Yards extreme 86'0" Diameter at Slings 21"
Ends 10½" Built in two plates $\frac{12}{32}$ to $\frac{7}{32}$

Fore and Main Lower Topsail Yards extreme 76'0" Diameter at Slings 19"
Ends 9½" Built in two plates $\frac{11}{32}$ to $\frac{6}{32}$.

Fore and Main Upper Topsail Yards extreme 68'0" Diameter at Slings 19"
Ends 8½" Built in two plates $\frac{9}{32}$ to $\frac{6}{32}$.

Main Yard extreme 69'0" Diameter at Slings 19" Ends 8½"
Built in two plates $\frac{9}{32}$ to $\frac{6}{32}$.

Main Lower Topsail Yard extreme 59'0" Diameter at Slings 14"
Ends 7½" Built in two plates $\frac{7}{32}$ to $\frac{4}{32}$.

Landings of Yards single rivetted. Butts overlapped
and triple rivetted. All Yards doubled at Slings.

Charles Connell & Co.
Scotstoun Shipbuilding Yard.
Whiteinch, Glasgow
9/8/86.

J.H.
13/8/86

C.H.
12.8.86



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