

Ship "Marion Inglis" Glasgow Report No 435.

43.86.



— Scantlings of Spars and Rigging —

— Ship No 271. —

— Lower Masts & Topmasts in One (Palazzo Form). —

— Fore Lower Mast —

Heel to Partners	22-10
Partners to hounds	47-9
Hounds to head	15-0
Length ex:	85-7

Diameter at Heel 22	Plating $\frac{6}{16}$ $\frac{11}{32}$
Partners 30	$\frac{5}{16}$ $\frac{11}{32}$
Hounds 23	$\frac{6}{16}$ $\frac{11}{32}$
Head 19 1/2	$\frac{6}{16}$

— Main lower mast —

Heel to Partners	21-3
Partners to hounds	49-9
Hounds to head	15-0
Length ex:	86-0

Dia: at Heel 22	Plating $\frac{6}{16}$ $\frac{11}{32}$
Partners 30	$\frac{5}{16}$ $\frac{11}{32}$
Hounds 23	$\frac{6}{16}$ $\frac{11}{32}$
Head 19 1/2	$\frac{6}{16}$

— Mizzen lower mast —

Heel to Partners	21-3
Partners to hounds	45-6
Hounds to head	13-0
Length ex:	79-9

Diameter at Heel 20	Plating $\frac{6}{16}$ $\frac{11}{32}$
Partners 28	$\frac{7}{16}$ $\frac{11}{32}$
Hounds 22	$\frac{6}{16}$ $\frac{11}{32}$
Head 19 1/2	$\frac{6}{16}$

— Fore & Main Lower Yards —

Length ex:	86-0
Dia: at centre 21	Plating $\frac{1}{16}$ $\frac{12}{32}$
2nd 1/4 19	$\frac{5}{16}$ $\frac{9}{32}$
Ends 10 1/2	$\frac{4}{16}$ $\frac{7}{32}$

— Fore & Main Lower Topmast Yards —

Length ex:	75-0
Dia: at centre 18	Plating $\frac{5}{16}$ $\frac{9}{32}$
2nd 1/4 16 1/4	$\frac{5}{16}$
Ends 9	$\frac{5}{16}$ $\frac{3}{16}$

— Mizzen Lower Yard —

Length ex:	70-0
Diameter at centre 17	Plating $\frac{5}{16}$ $\frac{9}{32}$
2nd 1/4 15 1/4	$\frac{5}{16}$
Ends 8 1/2	$\frac{5}{16}$ $\frac{3}{16}$

— Mizzen Lower topmast Yard —

Length ex:	59-0
Diameter at centre 14	Plating $\frac{1}{16}$ $\frac{7}{32}$
2nd 1/4 12 5/8	$\frac{4}{16}$
Ends 7	$\frac{4}{16}$ $\frac{2}{16}$

— Bowsprit & Jibboom in one piece —

Length outside Bed (to Cap (as in ordinary bowsprit 21-0)	
Dia: at Bed 27	Plating $\frac{7}{16}$ $\frac{12}{32}$
Heel 22	$\frac{6}{16}$ $\frac{11}{32}$
Cap 20 1/2	$\frac{6}{16}$
Jib Cap 11	$\frac{4}{16}$ $\frac{7}{32}$

— Fore and Main topmasts. —

Lower mast cap to topmast hounds	28-0
Topmast hounds to Cap	7-6

— Mizzen Topmast —

Lower mast Cap to topmast hounds	23-6
Topmast hounds to Cap	6-6

— Fore & Main topmasts —

19 1/2 Dia: at lower mast cap	$\frac{6}{16}$ $\frac{11}{32}$
16 topmast hounds	$\frac{4}{16}$ $\frac{7}{32}$
15 Cap	$\frac{4}{16}$

— Mizzen Topmast —

19 1/2 dia at lower mast Cap	$\frac{6}{16}$ $\frac{11}{32}$
16 topmast hounds	$\frac{4}{16}$ $\frac{7}{32}$
14 1/2 Cap	$\frac{3}{16}$ $\frac{6}{32}$

Fore, Main & Mizzen, Lower & Topmasts (palazzo form) to be formed of three plates in the round. Landings double riveted with $\frac{3}{16}$ rivets. Landings 4 1/2. Rivets spaced 5 diameters apart. Buttstraps 1/2 thicker than plates & treble riveted above partners. Remainder double riveted. Three continuous angles, one in centre of each plate, $\frac{3}{16} \times 3 \times \frac{7}{16}$ (Iron) extending to 4 ft. 8 ft. & 12 ft. respectively above top of lower mast cap in Fore & Main masts only. Landings of Topmasts single riveted, $\frac{2}{16}$ broad. $\frac{3}{16}$ rivets otherwise as above. Bowsprit to be formed of 2 plates in the round. Landings 4 1/2, double riveted with $\frac{3}{16}$ rivets spaced 5 dia. apart. Butts inside wedging to be double riveted, remainder treble riveted. Buttstraps 1/2 thicker than plates. Angles in bowsprit $\frac{3}{16} \times 3 \times \frac{4}{16}$ (Iron). All Yards to be formed of 2 plates in the round. Landings $\frac{2}{16}$, single riveted with $\frac{3}{16}$ rivets spaced 5 dia. apart. Doubling plates in masts & Bowsprit at wedging & at centre of yards.

Rigging in accordance with the rules for Ships 1400 to 1600 Tons