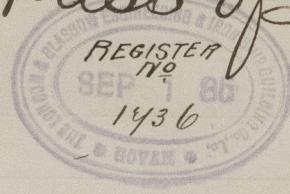


Steel Bowsprit Masts & Yards.  
—Bowsprit—



Gibboom 14' 0" Dia: at Jit Cap 10' Plating  $\frac{1}{32}$   
Bowsprit outside of Knighthead 23-0 " Bow: 21 $\frac{1}{2}$  "  $\frac{1}{32}$   
" inside " 10-4 " Head 30 "  $\frac{1}{32}$   
Length extreme 47' 4 " " Head 24 "  $\frac{1}{32}$

To be formed of three plates in the round with four contin-  
uous angles 4 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x  $\frac{1}{32}$ , the whole length of bowsprit, and vertical  
diaphragm plates  $\frac{1}{32}$ , extending from within the wedging to  
the gammoning. Butts inside of wedging double rivetted,  
outside treble rivetted, all straps  $\frac{1}{16}$  thicker than their plates, Land-  
ings 4 $\frac{1}{2}$  double rivetted with  $\frac{3}{4}$  rivets, Doubling plates at Knightheads

Fore Mast housed to top of Main Deck 22' 2" Dia: at heel 20' Plating  $\frac{1}{32}$   
" " Deck to Hounds 44-6 " " Partners 28 "  $\frac{1}{32}$   
" " Hounds to head 12-6 " " Hounds 22 "  $\frac{1}{32}$   
" " Head to Topmast Hounds 25-6 " " Head 14 "  $\frac{1}{32}$   
" " Topmast Hounds to Head 9-6 " " Top Hounds 14 "  $\frac{1}{32}$   
Fore Lower and Topmast Length extreme 114-2 " " Head 11 $\frac{1}{2}$  "  $\frac{1}{32}$

Main Mast housed to top of Main Deck 20' 8" Dia: at heel 21' Plating  $\frac{1}{32}$   
" " Decks to Hounds 48-0 " " Partners 29 "  $\frac{1}{32}$   
" " Hounds to Head 12-6 " " Hounds 22 $\frac{1}{2}$  "  $\frac{1}{32}$   
" " Head to Topmast Hounds 25-6 " " Head 14 "  $\frac{1}{32}$   
" " Topmast Hounds to Head 9-6 " " Top Hounds 14 "  $\frac{1}{32}$

Main Lower and Topmast Length extreme 116-2 " " Head 11 $\frac{1}{2}$  "  $\frac{1}{32}$

Fore and Main Topmasts to be formed of two plates in the  
round. Landings 2 $\frac{1}{4}$  single rivetted with  $\frac{5}{8}$  rivets. Butts treble  
rivetted, straps  $\frac{1}{16}$  thicker than their plates.

Fore and Main Lower Masts to be formed of three plates in the  
round. Landings 4 $\frac{1}{2}$  double rivetted with  $\frac{3}{4}$  rivets, spaced 5 dia: centre to  
centre. Butts below partners double rivetted above partners treble rivetted.

All straps  $\frac{1}{16}$  thicker than their plates. Doubling plates at wedging.

Mizen Mast Housed to Top of Main Deck 21' 1 $\frac{1}{2}$  Dia: at heel 17' Plating  $\frac{1}{32}$   
" " Deck to Hounds 48-0 " " Partners 23 "  $\frac{1}{32}$   
" " Hounds to Head 11-0 " " Hounds 18 $\frac{1}{2}$  "  $\frac{1}{32}$

Mizen Lower Mast Length extreme 80-1 $\frac{1}{2}$  " " Head 15 $\frac{1}{2}$  "  $\frac{1}{32}$

To be formed of three plates in the round. Landings 3 $\frac{3}{4}$  double  
rivetted with  $\frac{5}{8}$  rivets spaced 5 dia: centre to centre. Butts below partners  
double rivetted above partners treble rivetted. All straps  $\frac{1}{16}$  thicker  
than their plates. Doubling plates at wedging.

—Fore and Main Yards—

Lower Yard length extreme 44' 0" Arms 2' 6"  
Dia: at centre 19' 1<sup>st</sup> quarter 18 $\frac{1}{2}$  2<sup>nd</sup> quarter 17 $\frac{1}{2}$  3<sup>rd</sup> quarter 16 $\frac{1}{4}$  End 9 $\frac{1}{2}$   
Plating "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$

Lower Topsail Yard length extreme 67' 6" Arms 1' 0"  
Dia: at centre 17' 1<sup>st</sup> quarter 16 $\frac{1}{2}$  2<sup>nd</sup> quarter 15 $\frac{1}{4}$  3<sup>rd</sup> quarter 14 $\frac{3}{4}$  End 8 $\frac{1}{2}$   
Plating "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$

Upper Topsail Yard length extreme 64' 0" Arms 2' 0"  
Dia: at centre 16' 1<sup>st</sup> quarter 15 $\frac{1}{2}$  2<sup>nd</sup> quarter 14 $\frac{3}{4}$  3<sup>rd</sup> quarter 13 $\frac{1}{2}$  End 8"  
Plating "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$

Lower Topgallant Yard length extreme 58' 0" Arms 1' 0"  
Dia: at centre 14' 1<sup>st</sup> quarter 13 $\frac{1}{2}$  2<sup>nd</sup> quarter 12 $\frac{1}{4}$  3<sup>rd</sup> quarter 11 $\frac{1}{2}$  End 7"  
Plating "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$

Upper Topgallant Yard length extreme 50' 0" Arms 1' 9"  
Dia: at centre 12 $\frac{1}{2}$  1<sup>st</sup> quarter 12 $\frac{1}{4}$  2<sup>nd</sup> quarter 11 $\frac{1}{2}$  3<sup>rd</sup> quarter 10 $\frac{3}{4}$  End 6 $\frac{1}{4}$   
Plating "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$  " "  $\frac{1}{32}$

All yards to be formed of two plates in the round.  
Landings 2 $\frac{1}{4}$  single rivetted with  $\frac{5}{8}$  rivets spaced 5 dia: centre to  
centre. Butts treble rivetted straps  $\frac{1}{16}$  thicker than their plates  
Doubling plates at centre

The above are similar in every respect to the  
masts and spars for N° 246 - Sister vessel.

J. Thomson  
Lsl. 2/9/85