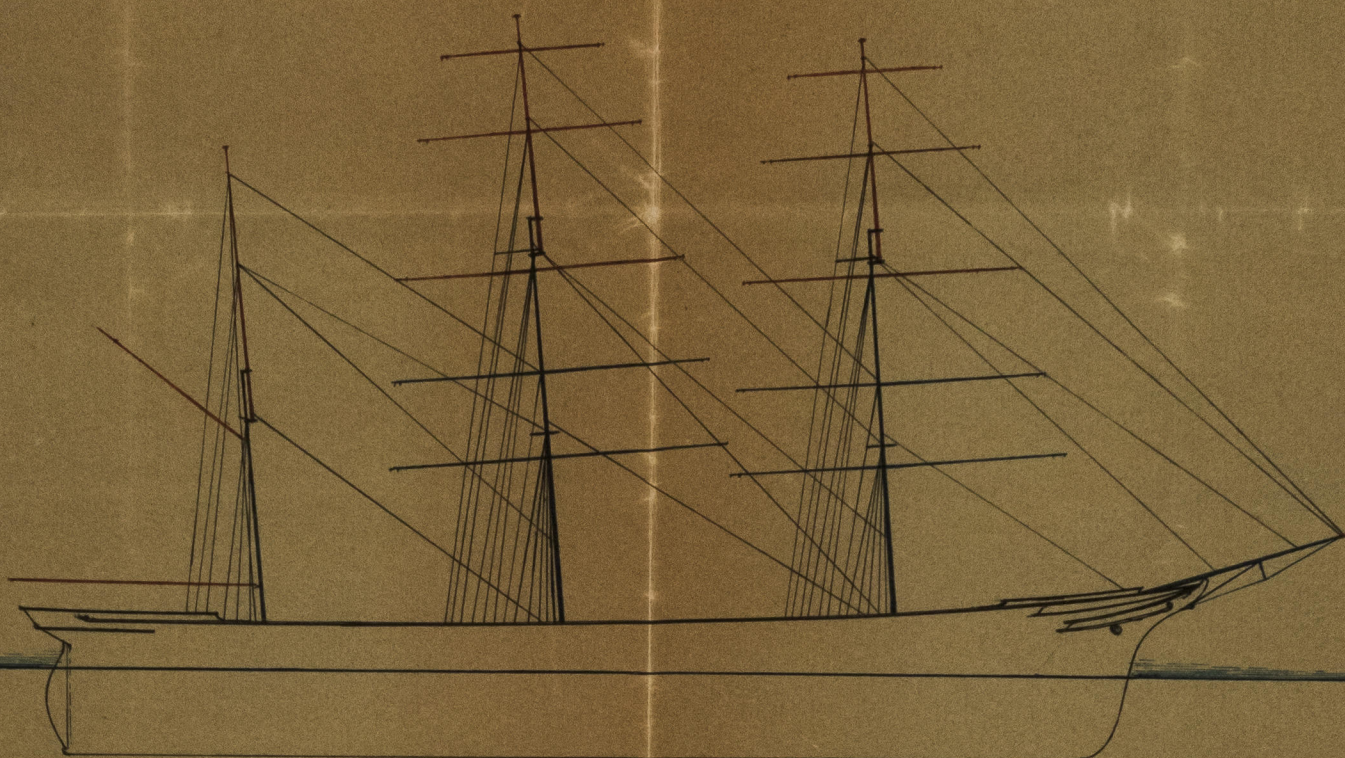


10.6.85.

Bk. "Bowman B. Law" Glasgow Report No 115.



Barque No 266.

Scantlings of Spars in Iron & Steel

Fore and Main Masts (Polacca form) Lower Masts and Topmasts in one		
Fore Mast	Main Mast	Mizzen Mast
heel to Partners — 22'-3"	heel to Partners — 20'-3"	heel to Partners — 20'-6"
Partners to founts — 45'-0"	Partners to founts — 47'-0"	Partners to founts — 49'-0"
founts to head — 13'-6"	founts to head — 13'-6"	founts to head — 9'-9"
47 1/2 head to topmast founts — 26'-0"	47 1/2 head to topmast founts — 26'-0"	Length extreme — 79'-3"
Topmast founts to topmast head 7'-6"	Topmast founts to topmast head 7'-6"	Clear at heel — 16 1/2 Plating 3/16 1/32
Length extreme — 114'-3"	Length extreme — 114'-3"	" Partners — 22' " 3/16 1/32
Clear at heel — 20" Plating 3/16 1/32	Clear at heel — 20" Plating 3/16 1/32	" founts — 18 " 3/16 1/32
" Partners — 28" " 3/16 1/32	Partners — 28" " 3/16 1/32	" head — 18 " 3/16 1/32
" founts — 24" " 3/16 1/32	founts — 24" " 3/16 1/32	
" head — 22" " 3/16 1/32	head — 22" " 3/16 1/32	
" topmast founts — 16" " 3/16 1/32	topmast founts — 16" " 3/16 1/32	
" topmast head — 14" " 3/16 1/32	topmast head — 14" " 3/16 1/32	
Fore & Main Lower Yards		
Length extreme — 80'-0"	Length extreme — 68'-0"	Clear at bed — 27 Plating 3/16 1/32
Clear at centre — 20" Plating 3/16 1/32	Clear at centre — 17" Plating 3/16 1/32	" heel — 22 " 3/16 1/32
" 2nd Quarter — 18 " 3/16 1/32	" 2nd Quarter — 15 1/4 " 3/16 1/32	" Cap — 17 1/2 " 3/16 1/32
" Ends — 18 " 3/16 1/32	" Ends — 8 1/2 " 3/16 1/32	" Jibboom Cap — 9 " 3/16 1/32

Fore & Main Masts & Bowprit formed of 3 plates in the round, Mizzen mast of 2 plates. Mizzen mast landings, double riveted, 3 1/4" broad, 3/8" rivets, spaced 5" dia. apart. Fore & Main masts, & Bowprit landings, double riveted, 4 1/4" broad, 3/4" rivets, spaced 5" dia. apart. Butttraps in Masts & Bowprit, to be treble riveted above partners, and double riveted below partners, and to be 1/8" thicker than the plates they connect. Bowprit angles 3 1/2" x 3" x 1/2". All yards formed of 2 plates in the round, Landings, single riveted 2 1/4" broad, 3/8" rivets spaced 5" dia. apart. Standing rigging as in rules for sailing ships, 1200 to 1400 tons under deck. Doubling Plates in way of Partners &c. as required by rules.

18/11/85
9/10/85



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