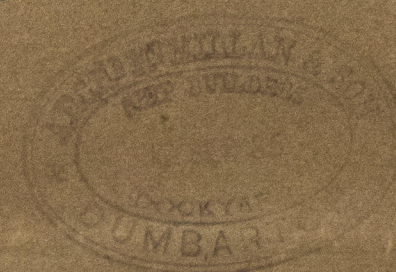
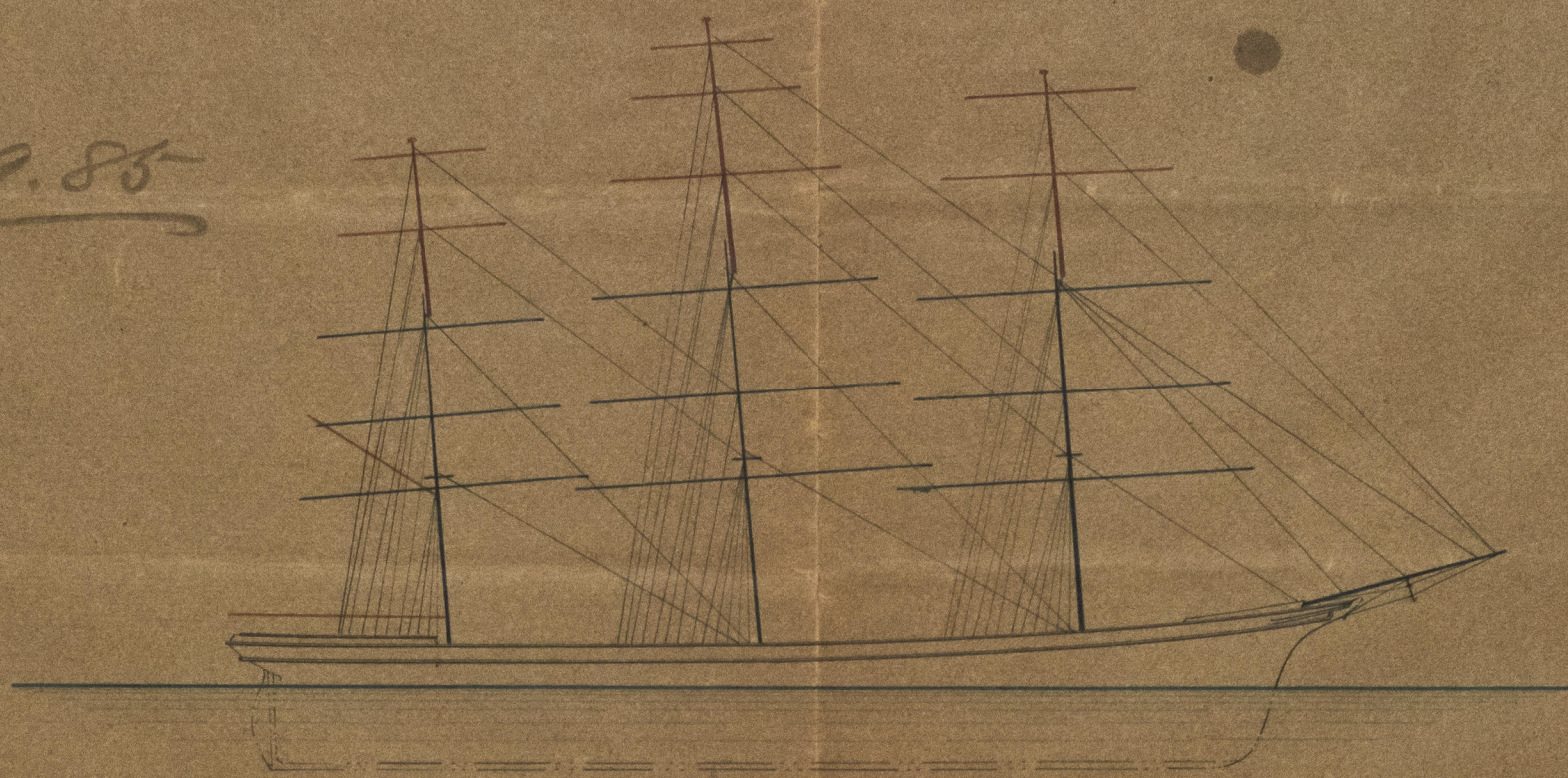


Ship "Ventura" Glasgow Report No. 4320.

24.9.85



Steel Sailing Ship No 268.

Scantlings of Spars in Iron and Steel.

Fore Mast		Main Mast		Mizen Mast	
Lower Mast & Topmast in one		Lower Mast & Topmast in one		Lower Mast & Topmast in one	
Heel to Partners	23.0 2 1/2	Heel to Partners	21.6 2 1/2	Heel to Partners	21.7
Partners to Hounds	49.0 2 1/2	Partners to Hounds	50.6 2 1/2	Partners to Hounds	46.6
Hounds to Cap	15.3 1 1/2	Hounds to Cap	15.3 1 1/2	Hounds to Cap	12.9
Lowermast Cap to Topmast Hounds	87.3	Lowermast Cap to Topmast Hounds	87.3	Lowermast Cap to Topmast Hounds	80.10
Hounds to Cap	17.3 7 1/2	Hounds to Cap	17.3 7 1/2	Hounds to Cap	12.9
Length Extreme	123.9	Length Extreme	123.9	Length Extreme	111.10
Diameter at Heel 22 1/2 Plating 7/16		Diameter at Heel 22 1/2 Plating 7/16		Diameter at Heel 22 1/2 Plating 7/16	
" Partners 31 "	7/16	" Partners 31 "	7/16	" Partners 28 "	7/16
" Hounds 24 "	7/16	" Hounds 24 "	7/16	" Hounds 22 "	7/16
" Lowermast Cap 20 "	7/16	" Lowermast Cap 20 "	7/16	" Lowermast Cap 18 "	7/16
" Topmast Cap 14 "	7/16	" Topmast Cap 14 1/2 "	7/16	" Topmast Cap 13 "	7/16

Fore, Main and Mizzen, Lower and Topmasts, (Placco Form) to be formed of 3 plates in the round. Landings, double riveted with 3/4" rivets, 1 1/2" broad. Rivets spaced 5 diameters apart. Butts straps 1/16" thicker than plates they connect and treble riveted above partners. Remainder double riveted, from lower Yard cross hoop to the lower Topmast Yard hoop to be double buttstrapped, 3 continuous Hangles, one in the centre of each plate 1 1/2" x 5" x 1/16" extending to 1 1/2", 8 ft. & 12 ft. respectively above top of lower mast cap, in Fore & Main masts only. Landings of Topmast single riveted 2 1/2" broad. 3/8" rivets. Other as above.

Bowsprit & Jibboom in one piece, Length outside of bed to Cap, taken as in an ordinary bowsprit 21'6". Diameter at Heel 22 Plating 7/16. Bed 27. Cap 17 1/2. Jibboom Cap 11. Bowsprit to be formed of 3 plates in the round. Landings 4 1/2". Double riveted with 3/4" rivets spaced 5 diameters apart. Butts inside wedging to be double riveted - remainder treble riveted. Butts straps 1/16" thicker than plates. Hangles 3 1/2" x 3" x 7/16".

Fore & Main Lower Yards		Fore & Main Lower Topsail Yards		Fore & Main Upper Topsail Yards	
Length 82+2'6" Horns 87'0"		Length extreme 76'0"		Length extreme 71'0"	
Diarr at Centre 26 Plating 7/16	7/16	Diarr at Centre 19 Plating 7/16	7/16	Diarr at Centre 17 Plating 7/16	7/16
" 2nd 22 18 "	7/16	" 2nd 22 17 1/8 "	7/16	" 2nd 22 15 1/2 "	7/16
" Ends 10 1/2 "	7/16	" Ends 9 1/2 "	7/16	" Ends 8 1/2 "	7/16
Mizen Lower Yard		Mizen Lower Topsail Yard		Mizen Upper Topsail Yard	
Length Extreme 71'0"		Length extreme 60'0"		Length extreme 56'0"	
Diarr at Centre 17 Plating 7/16	7/16	Diarr at Centre 15 Plating 7/16	7/16	Diarr at Centre 12 1/4 Plating 7/16	7/16
" 2nd 22 15 1/2 14 1/2 "	7/16	" 2nd 22 13 1/2 "	7/16	" 2nd 22 11 1/2 10 1/2 "	7/16
" Ends 8 1/2 8 "	7/16	" Ends 7 1/2 "	7/16	" Ends 6 1/2 7 "	7/16

All Yards to be formed of 2 plates in the round. Landings 2 1/2". Single riveted with 3/8" rivets, spaced 5 diameters apart.

Standing Rigging as in Rules for Sailing Ships 1400 to 1600 tons U.L. with the exception of Lower Rigging & Stays, which are to be 1/2" of an inch larger.



24/9/85

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