

Simla 10<sup>th</sup> September 1877. See letter of this date from E. L. Alexander

Thicknesses in 32<sup>nd</sup> of shell plating as ascertained by drilling. Thicknesses of plates renewed.  
Also note of replacements and additions at this time.

Strake	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	Forward	Strake				
A	s						24	23	22	18	28	28	27	26	26	25	28	20	22	24	20	27	24	20	25	23	27	26	24	27	26							s	A				
B	s				21	21 1/2	20	18 1/2	19	21	19 1/2	20 1/2	22	22	18	22	24	22	22	22	22	22	22	18	18	18	20 1/2	23 1/2	22	20	21	21	19 1/2	20					s	B			
C	s			22	22	20 1/2	20	23 1/2	22	23	23	21	18	18	22	18	22 1/2	22	22	22	22	22	22	18 1/2	16	22	22	22	21	20 1/2	21	21 1/2	21 1/2	20	19 1/2					s	C		
D	s				19	22	20 1/2	21	20 1/2	21	22	22	22	20 1/2	21	19 1/2	21	20 1/2	21 1/2	21	22	21 1/2	22	23	23	22	22	24	24	23	23	21 1/2	21 1/2	21 1/2	20 1/2	20				s	D		
E	s			18	17 1/2	19	18	19	22	21 1/2	21 1/2	22	21 1/2	20 1/2	22	23	20	22	23	21 1/2	19	20	19	19	20 1/2	21 1/2	20	19 1/2	22	24	22	22	22	21	21	21	19	22	21 1/2			s	E
F	s	16 1/2	18 1/2	17 1/2	18 1/2	18	19	18	21	20	21	22	21	20	20 1/2	20 1/2	22	22	22	22	22	20	21 1/2	22	23	23	22	22	21	20	22	22	22	22	21	20	22	19 1/2	19 1/2			s	F
G	s	17 1/2	19 1/2	17	16	19	20	19	20	20	21	19	20	19 1/2	19 1/2	19	19 1/2	19	22	21	19 1/2	17 1/2	18 1/2	21	23	23	21 1/2	21	21	22 1/2	21	22 1/2	21	21 1/2	19	10 1/2	19 1/2			s	G		
H	s		17	17	16	17	18	19	20	19 1/2	21	21	18	18	19 1/2	20	21	22	22	19 1/2	19	19	19	21 1/2	21 1/2	22	22	20 1/2	22	23	22	21 1/2	20	20	20	18	19 1/2	18			s	H	
I	s		19	15	14 1/2	14	16	16	19 1/2	21	19 1/2	18	19 1/2	18 1/2	20	20	20	21	18 1/2	19	19	20	18	21 1/2	22	22	23	20	21 1/2	20 1/2	21 1/2	17 1/2	19 1/2	21	20	19	18 1/2	16 1/2			s	I	
K	s			14	15	17	15	16	14	16	19	21	18	19 1/2	20 1/2	19 1/2	20 1/2	21		19	19	18	21	20	22	21	22 1/2	21	19	18 1/2	19 1/2	19	19	18	19	18	14	16			s	K	
L	s				14	13 1/2	16	18		16	15 1/2	17		16 1/2	19	17 1/2	18 1/2		17 1/2	18 1/2	14		14		16		18		18		14	18	15	15	14 1/2	14 1/2	14			s	L		
M	s					16		14				14 1/2	14 1/2	14 1/2	12 1/2	14 1/2	18	18	15	18	18	18 1/2	20	18	20	19 1/2	17 1/2	18	22	19	17	16	16 1/2	17					s	M			
N	s							14	12 1/2	18	15	18	18	18	18		20 1/2	14 1/2	19	19 1/2	18	17 1/2	18	18	17 1/2	18	18	16 1/2		16		17	14		15	14	14			s	N		
O	s								18								16 1/2	15	15	16	16	20	20	16	18	18	16	20	20	18									s	O			
P	s				16				16		16	16		16	16	16	16	16	16	16	16	16	16	16	16	16	16		16						16	16	16			s	P		
Q	s	Main Sheer Strake.															24																								s	Q	
R	s																26	26																						s	R		
S	s																																								s	S	
T	s																																								s	T	
Upper deck sheer strake, all renewed with plates 49" x 7/16 to 9/16 abreast according to Rule.																																											
New bulwark plates all fore & aft 5/16 thick.																																											

All renewed by continuation of 1/2 inch plates forming doubling of strake below.

Upper deck sheer strake, all renewed with plates 49 x 7/16 to 9/16 at ends according to Rule?

New bulwark plates all fore & aft 5/16 thick.

Note: 21 frames for 1/2 length of 1/2 frame renewed. 74 frames renewed for short lengths. 69 frames renewed entire from Centre to upper deck and 93 do. partially renewed. 6 floors doubled on both sides at Centre, and 8 do. doubled on one side of Centre. 27 floors renewed from 2 feet from Centre to each end, and 6 do. renewed from 6 feet from Centre to each end. Upper deck beams, cross beams, and 23 renewed for 26 feet at ends. 39 new main deck beams in midship part of ship, built 9 1/2 x 7/8. Angle 3 1/2 x 3 1/2 x 7/8. 39 new lower deck beams same dimensions. Caulking deck beams from frame 113 forward, of angle 5 x 4 x 7/8. Anchor deck beams of angle 6 x 4 x 7/8. Additional bulkhead forward to upper deck on frame 183, of plate 1/2 x 7/8. Vertical plates 23 1/2 x 7/8, sides plate 13 x 7/8. Sole plate 15 x 7/8. Angle 6 x 4 x 7/8. 2 new bulkheads on each side for 120 feet midships, of built 9 1/2 x 7/8. Angle 6 x 4 x 7/8. Stanchions on every beam for 120 feet midships, and on every second beam before & abaft, pipe 3", 2 3/4 x 3/4 dia. Entire new lower deck stringer plate 40 x 7/8 to 9/16, new double angle iron ties all fore & aft 2 x 3/4 x 7/8. Entire new main deck stringer plate 48 x 7/8 to 9/16 with iron deck for 250 ft. between stringers. Side of main hatch, or to within 10 feet of Centre of ship, plate 1/2 thick, and iron deck carried right across in way of all masts. Entire new upper deck stringer plate 64 x 7/8 to 9/16. New tie plates on upper deck 15 x 7/8. Sutter walking. Slip about one-fourth re-riveted. All masts, fore & aft & yards new.



"Luna"

White Sea

scuttling as noted  
by, Hens



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Foundation