

Mechanical Tests on Samples of Fractured Plating.

Deck Stringer ( Nos.1, 3, 5, 7 Transverse Direction.  
( Nos.2, 4, 6, 8 Longitudinal Direction.

Shell. ( Nos.9, 11, 13, 15 Transverse Direction.  
( Nos.10, 12, 14, 16 Longitudinal Direction.

Specimens machined to standard form 'A' (Tests of Materials).

No. of specimen and position.	Yield Point tons per sq. inch	Maximum Stress tons per sq. inch	Elongation % on 8".	Bends from unstrained ends of broken tensile specimens.
1 Deck Stringer	16.4	28.2	25.0	Temper - Good.
3 -do-	17.65	27.8	28.0	Cold - Good.
5 -do-	16.45	27.6	24.0	Temper - Good.
7 -do-	17.15	28.0	26.0	Cold - Good.
2 -do-	16.3	27.9	27.5	Temper - Good.
4 -do-	16.5	27.9	26.5	Cold - Good.
6 -do-	17.2	28.0	27.5	Temper - Good.
8 -do-	17.3	27.9	27.0	Cold - Good.
9 Shell.	18.05	27.0	28.5	Temper - Good.
.11 -do-	17.7	27.2	28.5	Cold - Good.
13 -do-	18.45	27.1	27.5	Temper - Good.
15 -do-	18.1	27.4	27.0	Cold - Good.
10 -do-	17.55	27.0	28.0	Temper - Good.
12 -do-	19.1	27.1	31.0	Cold - Good.
14 -do-	18.15	27.5	27.0	Temper - Good.
16 -do-	17.65	27.15	28.0	Cold - Good.



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