

Recd. from Mr Luke 13/9/04

O.S.S. No. 367.

760'-0" x 87'-6" x 60'-0".

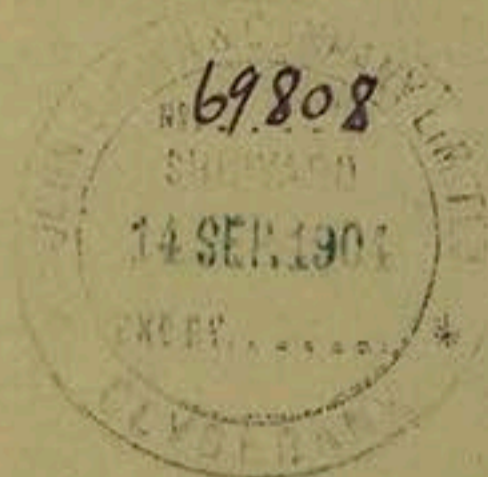
Stress Calculation

Vessel at end of Voyage.

Wave dimensions:-

Length = 760'-0"

Height = 38'-0"



Stresses given with vessel on crest of wave.

Weights:-

		Tons.
Hull	=	20736
Machinery	=	10200
Coal	=	400
Passengers	=	180
1/3 stores	=	50
1/3 Fresh water	=	50
Baggage	=	270
Cargo	=	300
1/3 Feed water	=	75
Margin	=	164
Displacement	=	32425

Estimated Draft. For^d = 25'-8", Aft = 32'-8", Mean = 29'2"

Maximum Bending Moment = 1,049,800 ft. tons.

Moment of Inertia of Midship Section = 3,227,500 sq.in.ft²

Neutral Axis above base line = 26.61 feet

Lower Lever = 26.69 "

Upper " = 34.64 "

Stress on Keel = 3.67 tons per sq.in

" " Shelter Deck = 1.28 tons per sq.in

Mild Steel
throughout.