

distil the water wanted for drink - that one pound of coal will make 6th of water. -

He recommends a propeller of 1100 tons & says it would cost about \$100,000 - say for Hull spars & 60,000 and for engines & \$40,000.

She should burn 15 tons of coal per day which should give her a speed of 8 1/2 miles per hour that averaging 10 miles is out of the question, this ^{has} been only done by the Cunarders & his ships & that at great expense of power. -

8 1/2 miles per hour or 200 miles per day would take 20 days.
1100 ton propeller would carry 350 passengers
400 tons or 3200 bbls. -
and 400 tons coal

she would ^{make} 4 or 5 voyages per year as required.

Her expenses counting depreciation, Insurance, and all other things could not be safely estimated less than \$25,000 per voyage - (which is quite a contrast with the estimate of Granite State -) he estimated the expenses as follows for the items specified, saying that the results always much exceeded estimates. -

Engineers stores for repairs per voyage	\$2000
Sail Makers	500
yearly depreciation 10% of 17,000 or per voyage	4250
do Insurance 7%	
Coal 400 tons out & bbls back 800 tons	5600
average price here & in Africa say 7.5	
Mens supplies \$400 per month	
" Wages 1350 - " " "	
\$1750 per mo 3 mo	5250
Expenses in the diff ports say	500
	<u>\$18,100</u>

Mens supplies at 33⁰⁰ per day + \$500 Expenses in Port were not his estimates but were estimated subsequently by

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11. Correspondence Received
A. Letter Books

12. January 1853--April 1855

1854