

TABLE OF TIME ALLOWANCE.

The allowances in this Table are based upon the rule accepted by naval architects, that within economic limits, opportunities for speed, vary in different vessels, as the square roots of their respective lengths. As strong winds are required, however, to give to larger vessels the full extent of their advantage in size, and as such a scale of allowance is not adapted to ordinary summer racing, 40 per cent. only of the allowance due to the rule is given in the table, and may be stated thus:—

Time equals $.4; \left\{ \frac{3600}{\sqrt{I}} - \frac{3600}{\sqrt{L}} \right\}$ 3,600 representing the number of seconds in an hour, I the small yacht and L the larger one. Practically the formula is $\frac{1440}{\sqrt{I}} - \frac{1440}{\sqrt{L}}$ 4-10ths of 3,600 being 1,440.

RULE FOR USING THE TABLE.

The figures which appear in the Table are calculated for one nautical mile, and the time which any yacht has to allow for this distance is shown opposite to the figure which denotes her measurement. Take the time of the larger vessel and deduct the amount of it from that of the smaller vessel; this will give the allowance for one nautical mile; multiply this by the length of course, and the resulting amount is what the smaller vessel will receive expressed in seconds and decimal parts of a second.