he has recently placed the truss directly beneath the engine, and new uses the deck of the beat as a seat where it has been strengthened by a beard placed across it, a little in front of the engine-bed. This is also advantageous by bringing his own center of gravity lewer down than before.

4. In the experiments Aug. 26 and in the earlier trials the outrigger-truss used terminated at either end in a point, or narrow mese, which rested upon one of the fleats at about its thickest part. The fleat had some liberty of recking upon the end of the truss as an axis. The lenger fleats developed a tendency to dive (Aug. 26), and one of them tore lesse from its attachment. The truss also did not seem to pessess sufficient rigidity against twisting motions, although it had been strongthened by a zig-zag beading of metallic tubing (aluminum)

To remedy these defects a new outrigger-truss has been made, not terminating in a narrow nose, but of equal dimensions from one end to the other. Like the old truss it is triangular in cross-section. It is much superior in rigidity to the old truss employed and permits of a more rigid connection with the outrigger-floats. It was used in the experiments (Aug. 29).

5. The Dhennas Beag, when traveling upon a straight course, exhibits a constant tendency to depress its right or starboard fleat, a result attributed to the torque produced by the left-handed rotation of the propeller.

Mr. Baldwin has hitherto neutralized this tendency by leaning over to the pert side; but it is new proposed to do among way with torque altegether by employing two propellers retating in opposite directions upon the same axis. Double propellers are being arranged for a trial.