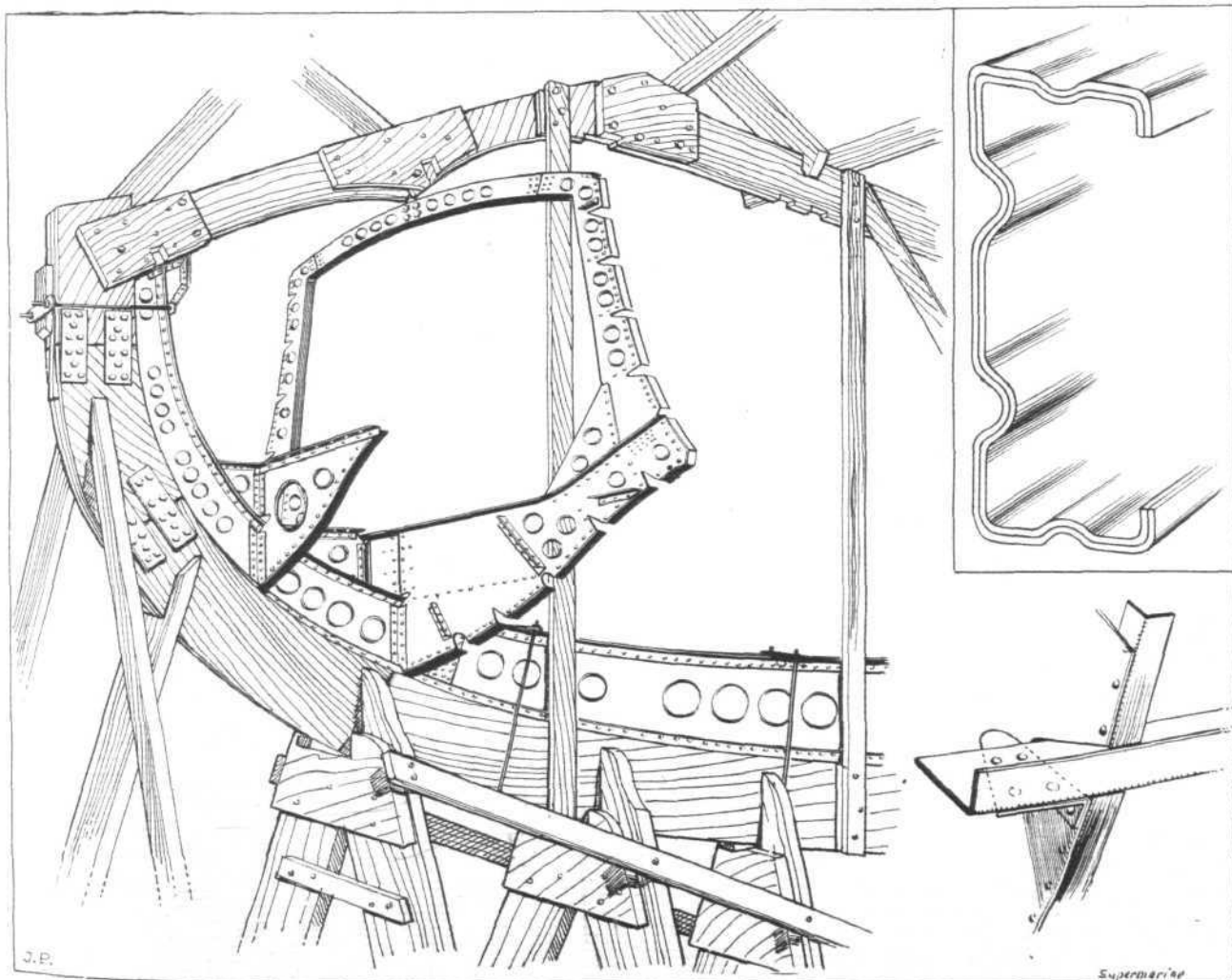


SPAN ... 75'-0"
 LENGTH ... 49'-8"
 WING AREA ... 1426 Sq Ft

SUPERMARINE "SOUTHAMPTON"
 2 Napier "Lion" Engines

hull differs slightly from the older type wooden hull in its lines. This applies mainly to the sides of the hull, which have a less pronounced curvature between deck and chines than had the wooden hulls. Although the effect (which is probably relatively small) is hydrodynamic and aerodynamic, the cause must be sought in structural considerations. The more flat-sided form is necessarily a good deal easier to produce in metal, and as far as we have been informed, the metal

hull is certainly not less good either on the water or in the air than was the wooden hull. The step arrangements and disposition and the up-swept stern portion remain practically identical. One very great advantage of the metal hull is, of course, the total absence of water soakage, which in a hull of this size may easily amount to some 300 lbs. or even more. Apart from this, the weight of the duralumin hull is, in itself, smaller than the *dry* weight of the wooden hull,



THE SUPERMARINE "SOUTHAMPTON": Details of the metal hull construction. The hull is shown on the stocks. Inset, a duralumin wing spar. ("FLIGHT" Sketches.)