



*Date of Application, 11th Dec., 1911*

*Complete Specification Left, 11th June, 1912—Accepted, 12th Sept., 1912*

### PROVISIONAL SPECIFICATION.

#### **Improvements in and relating to Hydro-aeroplanes.**

I, EDWARD WILLIAM WAKEFIELD, of Stricklandgate House, Kendal, in the County of Westmoreland, Honorary Captain in the British Army, do hereby declare the nature of this invention to be as follows:—

This invention relates to hydro-aeroplanes and more particularly to the means  
 5 for attaching the hydroplane to the aeroplane, my objects being to prevent jar when rising from and alighting upon the water and to provide an attachment of such a character that when the hydroplane is upon the water the aeroplane is suspended therefrom.

In carrying out my invention I provide the aeroplane with an underframe  
 10 which extends downwardly and is disposed fore and aft midway of the lower plane. The frame is suitably braced and to its lower member the hydroplane is attached by means of two bars which are respectively mounted transversely of the hydroplane towards the front and rear thereof. The lower longitudinal member of the under frame passes beneath these two bars to each of which latter  
 15 it is secured by means of rubber rings which are looped in such a manner as to suspend the under frame from the transverse bars of the hydroplane. In this manner a resilient attachment is provided which prevents jar and in the event of fracture of a ring or rings the hydroplane does not become detached but is supported by the lower member of the under frame.

20 The hydroplane may be attached to the underframe at two points, one forward and one aft, or at three points, one forward and two aft. In either case the attachments at the after end are such as to take a greater load than the attachment at the forward end.

Dated this 11th day of December, 1911.

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EDWARDS AND Co.,  
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### COMPLETE SPECIFICATION.

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#### **Improvements in and relating to Hydro-aeroplanes.**

I, EDWARD WILLIAM WAKEFIELD, of Stricklandgate House, Kendal, in the County of Westmoreland, Honorary Captain in the British Army, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following  
 35 statement and accompanying drawing:—

This invention relates to hydro-aeroplanes and more particularly to the means for attaching the hydroplane to the aeroplane, my objects being to prevent jar when rising from and alighting upon the water and to provide an attachment

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