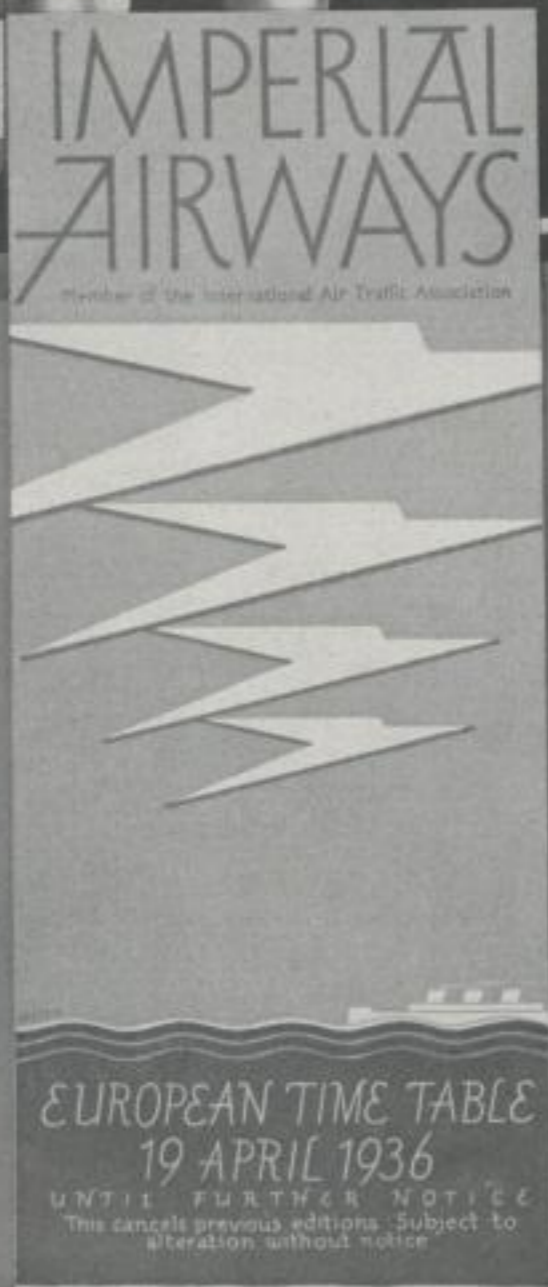
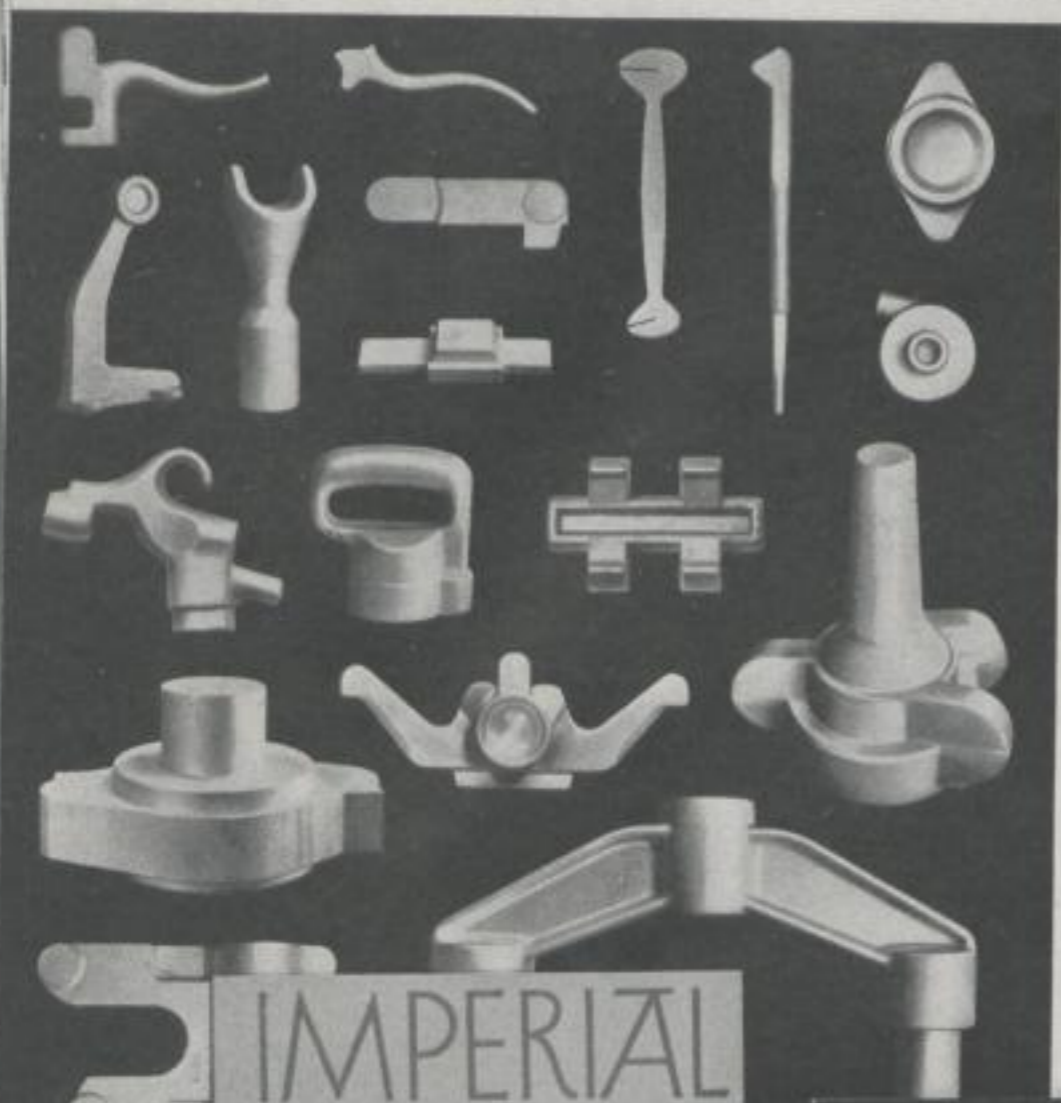


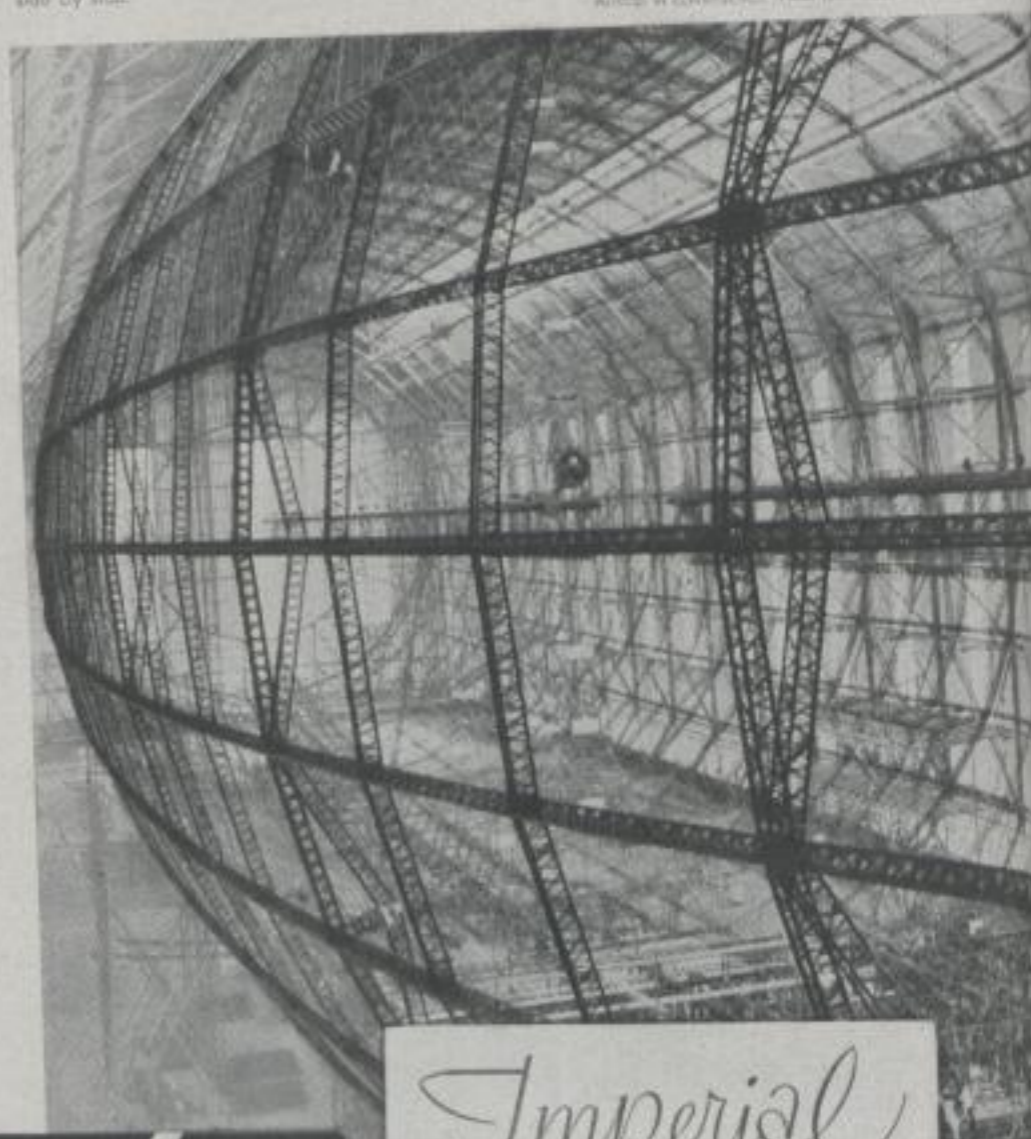
Drop-Forgings and Forgings

In VIM light Metals are used wherever the increased demands in tensile strength and ductility are no longer to be met by light Metal castings. Materials forged throughout give highest assurance that the tensile strength values, on which the calculations have been based, will be maintained throughout the piece. Consequently light Metal drop forgings can withstand strong shock and alternating stresses. They are gas-tight even under the very highest pressures. The non-recurring die costs are frequently recovered already by quantities of 100 to 200 on account of reduced outlays in working expenses and especially by reduced production of scrap.



Spheres of Application

Whilst aluminium sheets and aluminium alloy castings had already acquired a certain amount of importance at the beginning of this century it was not until later that aluminium alloys in the form of sheets, sections, tubes etc., were introduced into various branches of industry. All the more pleasing therefore is it to notice the increasing use of light Metals which, in many spheres, have already become quite indispensable. A survey of the many possibilities of application is given in the following summary in which the most important properties of light Metals and the corresponding principal markets are placed side by side.



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WILHELM METZIG