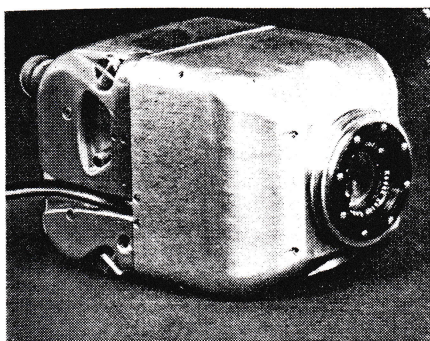




Canadian Aviation assumes no responsibility for the statements contained in these announcements of products, which are compiled from manufacturers' releases.



CAMERA FOR JETPLANES

A contract for approximately \$750 thousands for the volume production of the type P-2 camera for use in jet fighter aircraft has been announced by HQ-Air Material Command, Wright AFB, Dayton, Ohio.

This camera was designed to meet the specifications of the Photographic Reconnaissance Laboratory of the Air Research and Development Command.

Designed to photograph the impact and destruction of both rockets and bombs released from jet fighters, the P-2 will be installed in the latest jet fighter models. The P-2 camera is two-thirds lighter than any previous type camera designed for this purpose, the manufacturer claims. It is now going into quantity production at the J. A. Maurer, Inc., Long Island City, N.Y. plant.

ice formation on the compressor blades of aircraft gas turbines.

Under certain atmospheric conditions an ice deposit tends to form on the initial stages of compressor blades. This ice deposit seriously obstructs the flow of air into the engine and reduces the aerodynamic efficiency of the blades; moreover, should some of the ice break loose and be carried downstream into the moving blading it may result in serious damage to the engine. The Avro Canada blade is designed to overcome these difficulties.

The heating element of the blade is built up on a mica form which is first wound with an electrical resistance ribbon and then insulated with helical windings of glass thread. The whole assembly is impregnated with ceramic material to form a core around which the blade form is cast.

This method of blade construction provides a light, compact form of blade anti-icing without reducing the blade's strength or interfering with the profile of its external contours.

Further details of the system are available from Avro Canada or from Canadian Patents and Development Limited of Ottawa to whom the patent rights have been assigned.

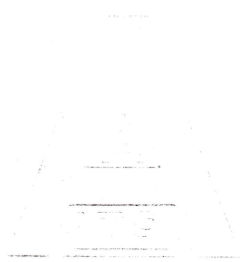
HEATED TURBINE BLADE

An electrically-heated blade has been developed at A. V. Roe Canada Ltd. for dealing with the problem of

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