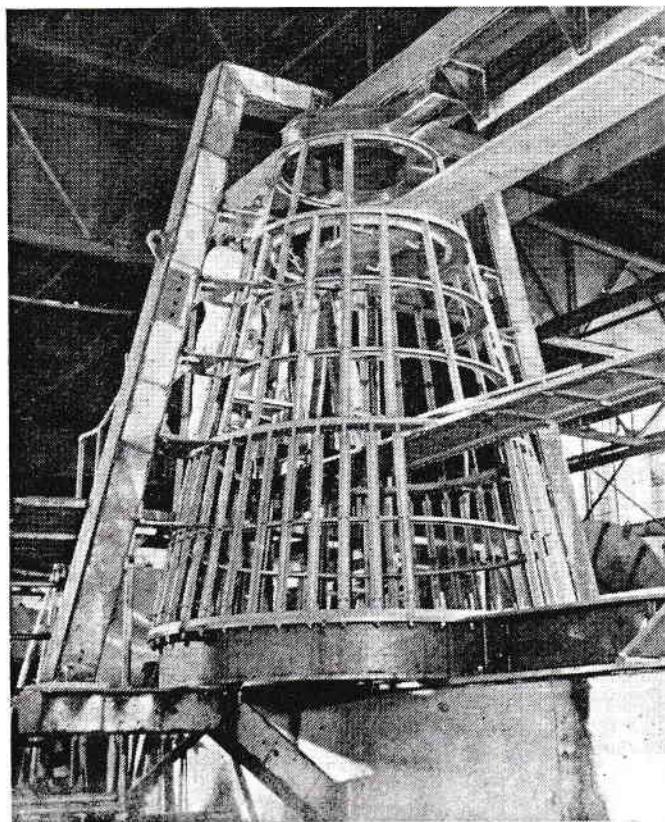


CANADIAN JET TAKES SHAPE

C-102 FOUR-JET AIRLINER WELL UNDER WAY IN AVRO PLANT AT MALTON

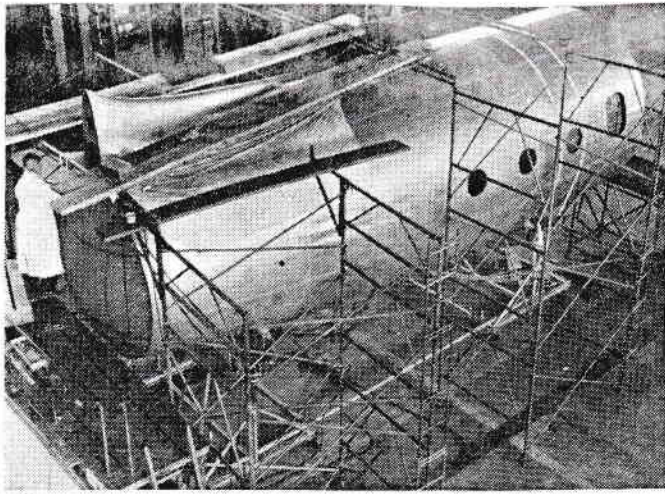


CANADA'S bid for leadership in the air transport field of the next decade, the C-102 four-jet airliner is showing considerable progress as construction of the prototype proceeds at the A. V. Roe Canada plant, Malton, Ont. The accompanying pictures, taken especially for Canadian Aviation, indicate the stage of this progress as well as revealing some of the design and construction features.

Design of the nacelles to house the four Rolls-Royce Derwent V engines still is on the secret list and thus is not indicated here. However, there will be twin circular nacelles set close together inboard on each wing. This much was apparent during a tour of the plant for the wooden mock-up of the engine housings was to be seen as work progressed on the plane's centre section.

Other features of the C-102 are apparent on these pages. Work is being completed on the nose section, above, as the flush-riveted skin is applied.

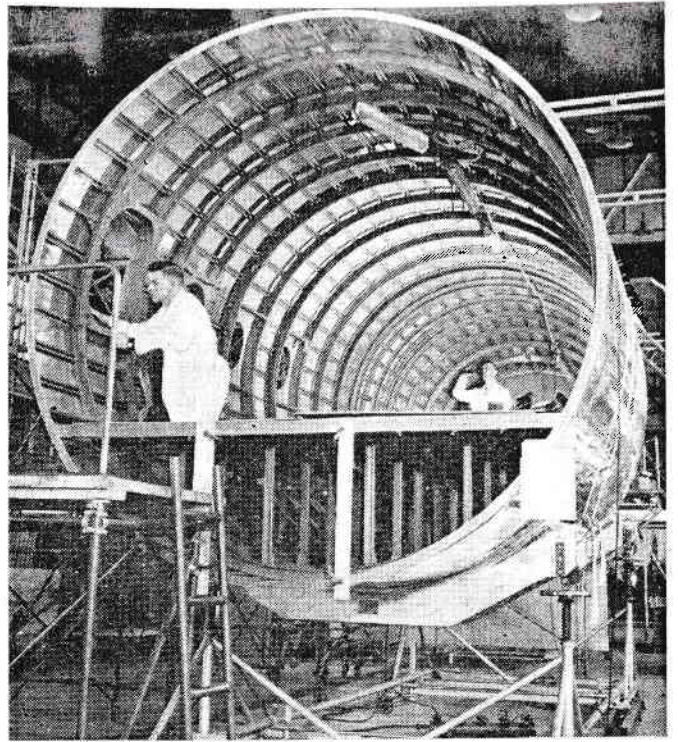
The fuselage rear section, at left, is taking shape in its vertical jig. The rear centre section, top left of opposite page, is out of its jig with skinning complete. Note dorsal fin and rear pressure dome. The picture beside it shows a front view of the same rear centre section. Fuselage stringers and formers can be seen, showing strength



of construction required for the high degree of pressurization.

Below, a section of the main plane under skin is ready to go on. It has been assembled complete with stiffeners prior to attachment.

Tooling is complete on the entire aircraft with exception of the centre section fuselage and main-plane, on which the tooling is nearly done. The fuel tanks are to be integral, built into the wing structure between the main spars.



Photographs by Avro for Canadian Aviation.

