

18-4. 6136
26th October, 1943.

PRODUCTION PROGRAMME

With the CA-17 & 18 in view, a broad study has been made of our present commitments and the time it will take to complete them, in relation to our available manpower.

1) SUMMARY:

- a) The work in the Aircraft Factory will not be completed until the end of July, 1944, i.e. 10 months from 1st October.
Capacity for the CA-17 will begin to be available in certain departments three months before this, i.e. in May.
- b) This period may not be too long for preparations to be made for the CA-17, but in view of this there is little likelihood of the CA-17 being completed before the end of 1944.
Allowing for Wirraways (at 8 per month), Spares and Sales Orders, our present manpower will produce 15 CA-17 aircraft per month.
- c) It follows from the above statement that it is not possible to continue the manufacture of Bombers beyond a total of 20 or the manufacture of Spares, except for the CA-17.
- d) For the CA-17 aircraft to be manufactured at the rate of ~~20~~ 35 per month direct labour must be increased by 2,000, making a total of approximately 5,400 (non staff). This total is consistent with estimates, provided earlier this year, except that a greater allowance has been made for Spares manufacture.

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PRODUCTION WORK OUTSTANDING.

2) The following production work is to be completed within the next 10 months:-

- a) GA-11 Bomber: Direct Labour hours completed - 290,000
" " " outstanding 908,000
This is based upon an estimated average of 60,000 hours per aircraft over the first 20 aircraft.
- b) Downcrank: Direct Labour hours outstanding 940,000
This is based on an estimate of 12,000 direct labour hours per aircraft.
- c) Reasfort: Direct Labour hours outstanding 180,000
This is based upon the expenditure of 30,000 direct labour hours per month for the next 6 months, before we will be substantially free from this project.

Total direct labour hours outstanding - 2,028,000.

3) Work for which we must permanently cater:

- a) Spare: Direct Labour hours per month - 100,000.
A total of 66,000 hours was expended in the month of September. This will be considerably increased over the next few months and it is considered that a total of 100,000 hours is a reasonably permanent allocation for spares manufacture.
This figure is open to discussion and entails the employment of 560 men.
- b) Salon Orders: 30,000 direct labour hours per month.
This allocation is necessary whilst work is continued for the U.S.A.A.C.
About one quarter of this is work for the U.S.A.A.C., but when this is eliminated an allocation will always be necessary for miscellaneous jobs.
- c) Wirraways: Direct Labour hours per month - 48,000.
This assumes that 8 Wirraways per month will be manufactured at a cost of 6,000 hours per aircraft.

Total Direct Labour hours per month - 178,000.

- 4) Total direct labour hours available per month - 400,000.
 Permanently allocated under Section (3) - 178,000.

The remainder, namely 222,000 hours per month, is available to clear Bombers, Bomberwings and Beaufort work.

The estimated total required is 2,028,000 hours, which is nine months work.

Hence, allowing one month as a margin, we therefore have sufficient work for the whole of our capacity for the next 10 months.

Capacity for the CA-17 will begin to become available in May *AND IN AUGUST*
~~the~~ the Factory should be free ~~the~~ ^{for} the CA-17, except for the permanent commitments listed in Section (3).

- 5) CA-17 & 18 Manufacture: If our direct labour stands at our present figure, we have 222,000 hours available per month for the CA-17.

Allowing 15,000 hours per aircraft, we will therefore produce 15 aircraft per month.

For the production of ³⁵ aircraft per month, the monthly hours available must be increased to 590,000, which entails an increase of approximately 2,000 man. *[INCLUDING A PROPORTIONATE INCREASE IN CONTRACT CHARGES.]*

The following is our required labour breakdown (wages only):-

CA-17 & 18	-	3,340	
Other commitments (Sec.3):			
Spares		560	
Sales Orders		120	
Wirraway (8 a month)		265	
Beaufort (after 6 mths)		30	
Standards, special equipment, etc.		85	
New tooling		275	
Overhead		<u>750</u>	
		2,005	
			2,005

	<u>TOTAL:</u>	<u>5,425</u>	

This is approximately 2,000 greater than our present strength of non staff labour.

NOTE:

Overhead comprises:-

Factory Supervision

Programmen

Storesmen

Maintenance and replacement of tools
and standard equipment.