FIG. 18. EFFECT OF INCREASE IN PRESSURE ON THE MAXIMUM HEIGHT OF CARRY UNDER WINDLESS CONDITIONS.

The different curves show the effects produced when using whorl-plates and disks of varying construction, as follows :—

Curve A : Whorl-plate with six openings of diameter $\frac{12}{64}$ in. at angle of 22·5° ; disk aperture $\frac{8}{64}$ in. diameter.

Curve B : Whorl-plate with six openings of diameter $\frac{12}{64}$ in. at angle of 22·5° ; disk aperture $\frac{4}{64}$ in. diameter.

Curve C : Whorl-plate with six openings of diameter $\frac{4}{64}$ in. at angle of 22·5° ; disk aperture $\frac{8}{64}$ in. diameter.

Curve D : Whorl-plate with six openings of diameter $\frac{4}{64}$ in. at angle of 22·5° ; disk aperture $\frac{4}{64}$ in. diameter.

Curve E : Whorl-plate with two openings of diameter $\frac{4}{64}$ in. at angle of 67·5° ; disk aperture $\frac{8}{64}$ in. diameter.
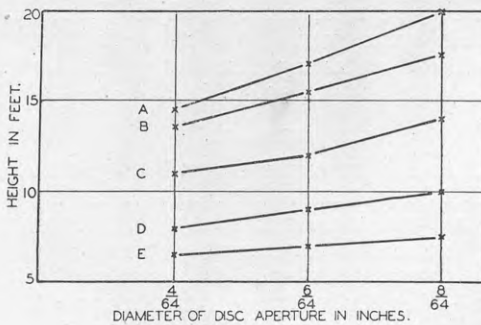

FIG. 19. EFFECT OF INCREASE IN THE DIAMETER OF DISK APERTURE ON THE MAXIMUM HEIGHT OF CARRY UNDER WINDLESS CONDITIONS WITH A NOZZLE PRESSURE OF APPROXIMATELY 200 LB.

The different curves show the effects produced when using whorl-plates of varying construction, as follows :—

Curve A : Whorl-plate with six openings of diameter $\frac{12}{64}$ in. at angle of 22·5°.

Curve B : Whorl-plate with six openings of diameter $\frac{8}{64}$ in. at angle of 22·5°.

Curve C : Whorl-plate with six openings of diameter $\frac{4}{64}$ in. at angle of 22·5°.

Curve D : Whorl-plate with two openings of diameter $\frac{8}{64}$ in. at angle of 67·5°.

Curve E : Whorl-plate with two openings of diameter $\frac{4}{64}$ in. at angle of 67·5°.