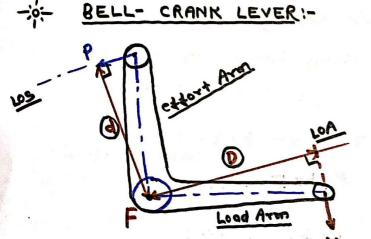
DIPLOMA STUDENTS IN TECHNICAL STUDIO BY BHANU PRATAP SINGH

((51)



- These is some inclination angle between in effort arm a load arm.
- + Hence LOA Of effort is not parallel to LOA of load.
- uxed in Machines.

Draw I from F to P and W.

taking Moment about F - (\(\Sigma_F = 0\):
(+P xd - WxD) = 0

Pxd = WxD

\[\frac{d}{D} = \frac{W}{P} = M \cdot A. \]_{\(\beta\)}

Solve !-Considering Sin 60' =

$$CH = Px \frac{\sqrt{3}}{\sqrt{3}} - 0$$

$$CH = Px \sqrt{3} - 0$$

In egat equilibrium Condition,