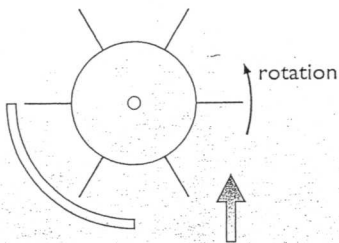
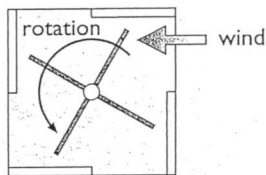


### Screen wind machines

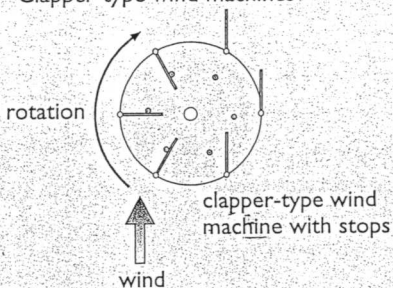


(a) screen wind

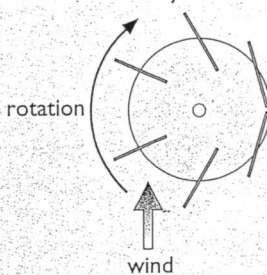


(b) vertical axis windmill screened by walls

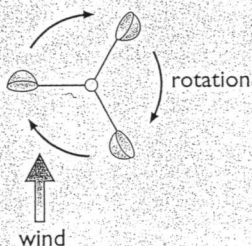
### Clapper-type wind machines



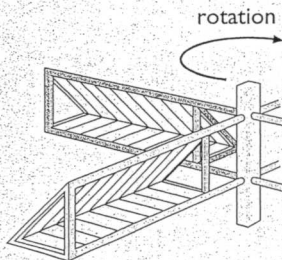
### Wind machine with Cyclic Pitch Variation



### Cup-type wind machines



(a) cup anemometer



(b) 'streamlined anemometer sail windmill' invented by Faustus Verantius, a seventeenth century bishop and engineer (Needham, 1965)

**Figure 7.8** Some examples of traditional vertical axis windmills