

WINDMILL GEARING

BRAKEWHEEL
108 teeth

WALLOWER
37 teeth

The sails drive the brakewheel round.

The brakewheel gears turn the wallower gears.

QUESTION
If the sails turn at 13 r.p.m.
how fast will the runnerstone turn?
(r.p.m. = revolutions per minute)

The main shaft drives the great spur wheel round.

The great spur wheel gears turn the stone nut gears.

The stone nut shaft drives the runner stone round and round.

The wallower drives the main shaft round.

RUNNER STONE

BED STONE

GREAT SPUR WHEEL
86 teeth

STONE NUT
27 teeth

In each case a wooden-toothed gear wheel drives a metal-toothed gear wheel. No oil needed, no sparks and the wooden ones are easy to replace if anything goes wrong.