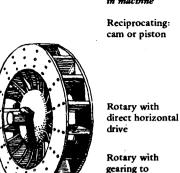
## Applications of water power



Type of motion in machine

Type of prime mover in water

Work done

or cooling

Mining, land drainage and irrigation; industrial processes involving cleaning

Tumbler-mixing of eg. concrete; stone

Paper manufacture; metal rolling mills

Water supply for irrigation or manufacture

Corn-grinding; flour mill; crushing aggregate

Forge; crushing ore, clay

Trimming metal tools

polishing; laundry

Tool manufacture:

Metal and wood lathes

Pipe and tube making

Electricity generation

Grinding powders

Beating out metals Pumping

磨水輪目

(f)

Forge; crushing ore, clay

Corn-grinding, etc. in small amounts

Wire coil and rope making

Potter's wheel; wood turning

Textile weaving; fulling cloth

Wire drawing



Reciprocating: cam or piston

horizontal axis

Rotary with right-

vertical drive (b)(e)

angle gearing to

'Intermittent

counterpoise'

Vertical axis

Vertical axis

rotation (d)

rotation (c)(f)

(b)

drive (a)

Horizontal axis wheel

Horizontal axis

Horizontal axis

Horizontal axis

Tilt-hammer

Submerged

'panemone' or

reaction turbine

'Norse mill' type

wheel

wheel

wheel

Water pumping

Sawing Air bellows

Trip hammer

Power shears

Raising water

Roller milling

Tumbling

('Noria')

Grinding

Turning

Dynamo

Winding

Grinding

'Turntable'

'Mortar and Pestle'

Direct or geared

above purposes

drive for most of the

**Boring** 

- Timber reduction Blast-furnance in iron or glass works.

- Process, eg.