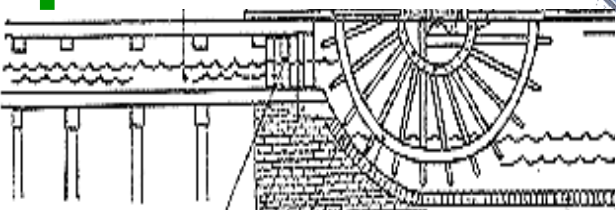


How were the fens drained?

How does a wind pump work?

Big gusts of wind across the flat fenland landscape help to turn the big sails of the wind pump. This creates energy which turns the big water scoop wheel.

The scoop wheel helps to move the water upwards to the higher drains and rivers



These are often controlled by special gates called 'slucies' which stop gravity allowing the water to come back into the lower drain



A scoop wheel is inside the wind pump. As it turns, it scoops the water from the lower drain and moves it to the higher drain.

This pump is from Stretham and is one of only 3 steam pumping stations left!



The marshy, fenland soil

The lower drain which has been dug around the field

How were the fens drained?

How does a wind pump work?

Energy in action

Wind pumps use energy in different ways to move heavy sails and water. Some parts go up or down, others go round and round!

Look at the different ways and directions the energy moves in. Find as many objects at home or different ways you can move your body to copy the way the energy moves as you can.

Who can find the most objects and who can find the most ways to move their body?

Will you spin in a circle or jump up and down?

The sails of the wind pump turn the heavy water scoop. How would you move lots of water upwards?

