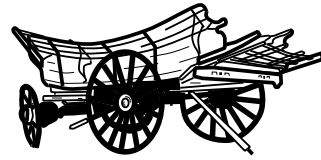
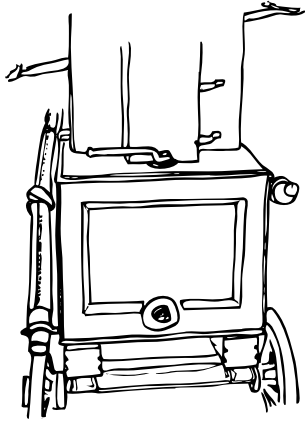


Victorian Fire Pump

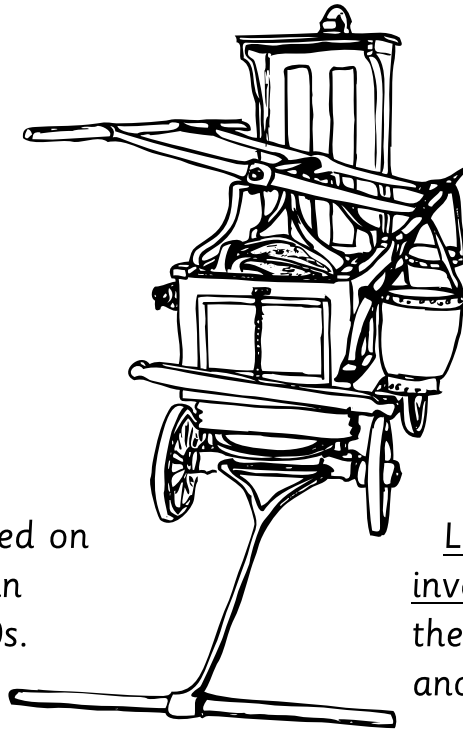
Location: Frensham Building – far end



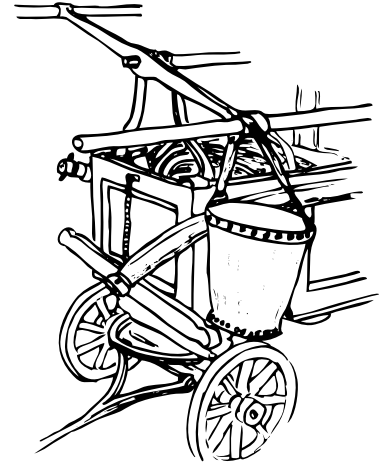
**Rural
Life
Centre**



This fire pump was used on Lord Harcourt's estate, in Oxford, during the 1850s.



Look very carefully at it: investigate all of the parts, then draw it, in detail, on another sheet of paper.



1) How did this machine work?

2) How was the water pumped up?

Back at School:

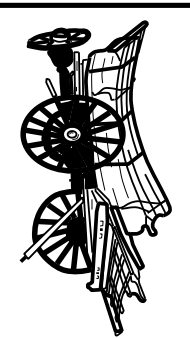
3) Discover other ways to lift water.

4) Make a model to show how water can be lifted.

(We would love to see your models, and perhaps put them on display.)

Victorian Fire Pump

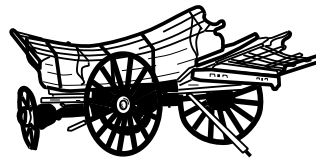
Draw your sketches on here. Remember to look, and investigate, and label, carefully.



**Rural
Life
Centre**

Victorian Fire Pump

Location: Frensham Building – far end



**Rural
Life
Centre**

Teachers' Notes

Used on Lord Harcourt's estate, in Oxford, 1850s.

Hand drawn.

Small reservoir of water in the tank.

Local duck pond would be used for filling this.

Suction hose in hole at the back/base.

Leather on sides of machine, copper rivets.

To pump water up, two men were on each side, pushing up and down, to operate the pump inside of the blue box.

It sucks the water up, and pumps it out of the top 'brass elbow', into the leather hose.

The hose was rolled up in the tank.

The reservoir tank held approximately 30 gallons of water.

The buckets are made of leather.

