

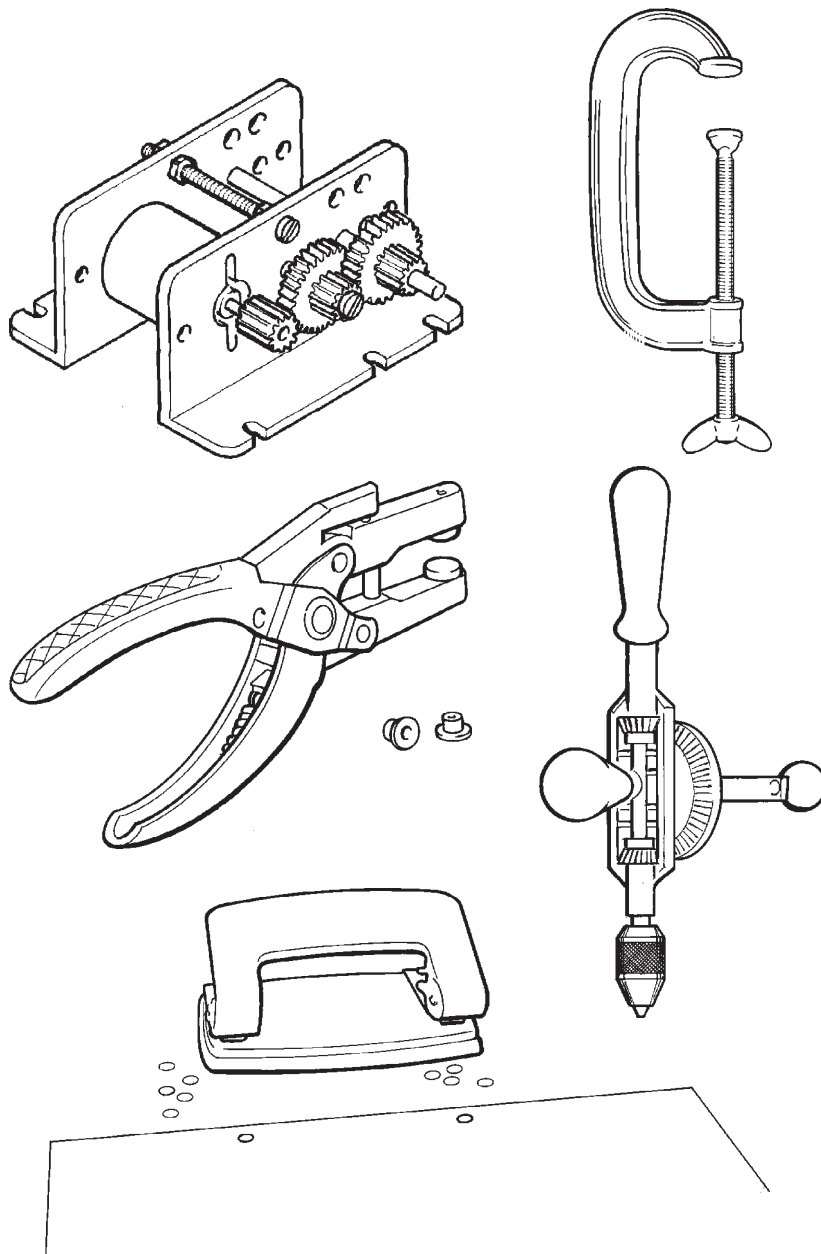
FINDING OUT ABOUT MECHANISMS

This is a chance for you to start to explore mechanical systems.
You can find out:

- what they do;
- how they do it;
- why they are needed.

EXAMPLES OF EQUIPMENT NEEDED

Kitchen whisk, potato chipper, mechanical saw, hand drill, hole punch, pantograph, model gear box, scissors, rivet gun, pliers, pedal bin, car jack, G clamp etc.



TECHNOLOGY STUDY FILE 4

WHAT TO DO

Examine **one** of the mechanisms your teacher has given you and answer the following questions:

- Write an explanation of what you think the mechanism does. Explain why you think a mechanism is used for this. How easy would it be to perform this task without a mechanism?
- Describe as fully as you can the input motion to the mechanism. Include a diagram.
- Describe as fully as you can the output motion from the mechanism. Include a diagram.
- Explain what changes in force or motion take place.

You may be asked to report back to the rest of the class - if so, prepare a short report on the mechanism.

Reporting back to the class will give you a chance to find out about the mechanisms investigated by other groups.

EXTENSION WORK

If you have time, you may be able to look at more complex mechanisms and analyse them in the same way.