

## Stamping Letters



### The Problem

It is too windy to play outside so Jill is helping out in the post office stamping letters. Her arm is getting sore from stamping, she is very tired and she wishes there was a way of using the wind to help her!

Can you think of a way to help her out?

### Design Brief

Design and make a wind-powered stamping machine:

- it must make a mark on thin paper
- the more times it stamps the mark within one minute, the better
- it must be powered by the wind from a desk fan placed approximately one meter (≈ one yard) away

#### 1. Make a sketch of the idea you designed and made.

#### 2. Label the three most important parts, explaining how they work.

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#### 3. Suggest three improvements.

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The Hammer



Windmill



Principle models building instructions booklet for levers and gears