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VENTILATION APPARATUS

CAT NO. PH0410A



Instruction Manual

VENTILATION APPARATUS

INTRODUCTION

This apparatus provides a ready means of demonstrating conventional movements in heated air. It is based on an early method of ventilating mine galleries before the invention, in the nineteenth century, of fans driven by electric motors. It also demonstrates the function of domestic chimneys when used in conjunction with open fires.

REQUIREMENTS

Two glass chimneys (supplied)
Wax night light (supplied)
Smoke generator
Darkened room

PROCEDURE

Open the box by sliding out the front window. Light the night light and place it immediately under one of the two “chimneys”. Replace the front window.

Introduce smoke at the upper end of the other chimney. Observe the passage of the smoke downwards from its source, through the box, and upwards through the heated chimney.

The movement of air (and the smoke) can be enhanced by the introduction of taller chimneys, which cause a faster flow.

Manufactured by :



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