

HOBBYHORSE

A staunch favourite from Victorian times. With a child's imagination great battles and races can be fought and won.

DIAGRAM 1

Body of horse. In the centre of the handrail (1) and the bottom rail (2), mark and drill out a $\frac{7}{8}$ in (22mm) diameter hole with a twist bit.

Mark and cut out the shapes for the handles on the handrail with a coping saw and with a spokeshave shape the handles for easier grip.

DIAGRAM 2

In the centre of each end of the bottom rail, drill a $\frac{7}{8}$ in (22mm) diameter hole for the axles; to a depth of $1\frac{1}{2}$ in (37mm).

DIAGRAM 3 (see next page)

Mark and cut out the two wheels (3). In the centre of the wheels drill a 1in (25mm) hole.

Cut the axles (4) to length.

Mark and cut out two 2in (50mm) diameter plywood circles (5).

Glue a circle to the end of each axle, insert the axle through the hole in the wheel, and glue the axle in position in the hole at the end off the bottom rail. Ensure that the wheel turns freely. Repeat this operation for the second wheel.

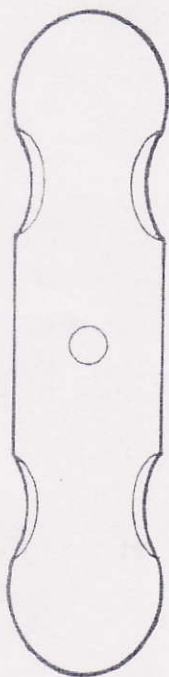


Diagram 1

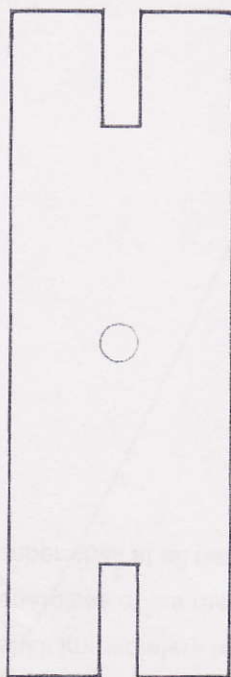
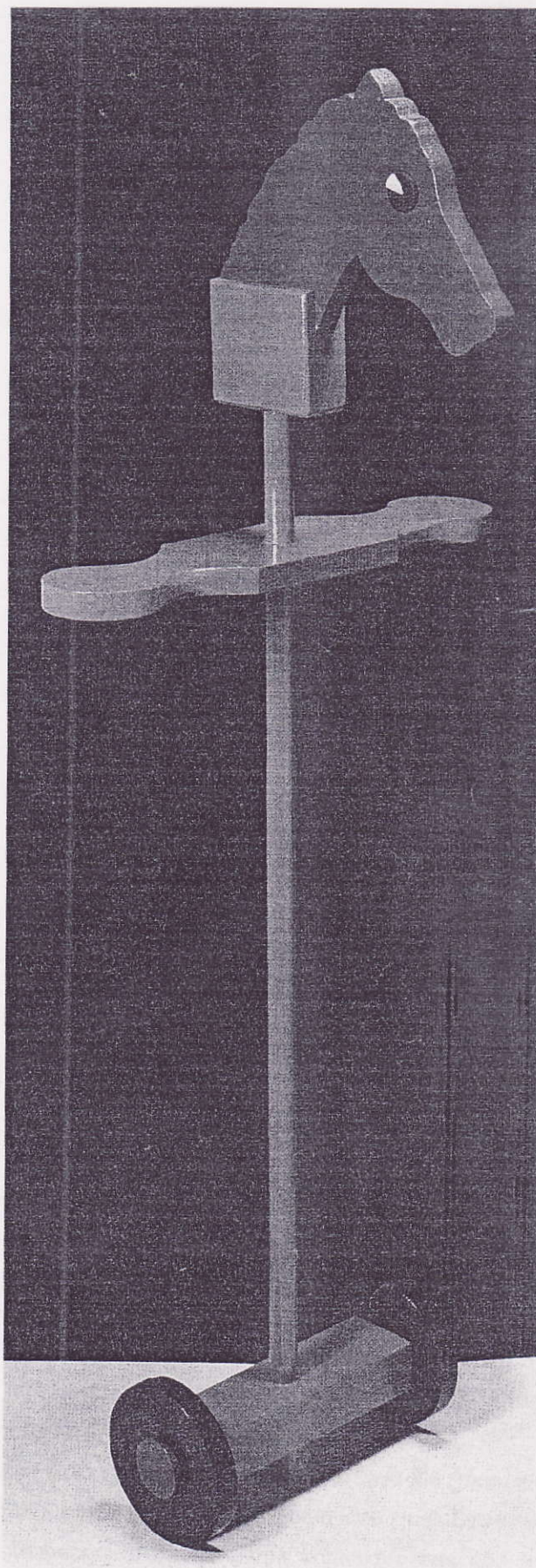


Diagram 2



'I got a hobby horse!'

DIAGRAM 4

Insert the body dowel (6) in the hole in the bottom rail. The dowel should protrude 2in (50mm). When this is done glue it into position.

Insert the opposite end of the body dowel in the hole in the handrail until 6in (150mm) protrudes. Glue the handrail in position. Ensure the handrail is in line with the bottom rail. The easiest way to do this is to place both rails on the same flat surface when glueing.

DIAGRAM 5

In the centre of the endpiece (7) drill a $\frac{7}{8}$ in (22mm) hole. In the opposite end, mark and cut out a groove of the thickness of the wood, to be used for the head and cut to a depth of 2in (50mm). Glue this in position on the end of the body dowel, so that the groove is at right angles to the handrail.

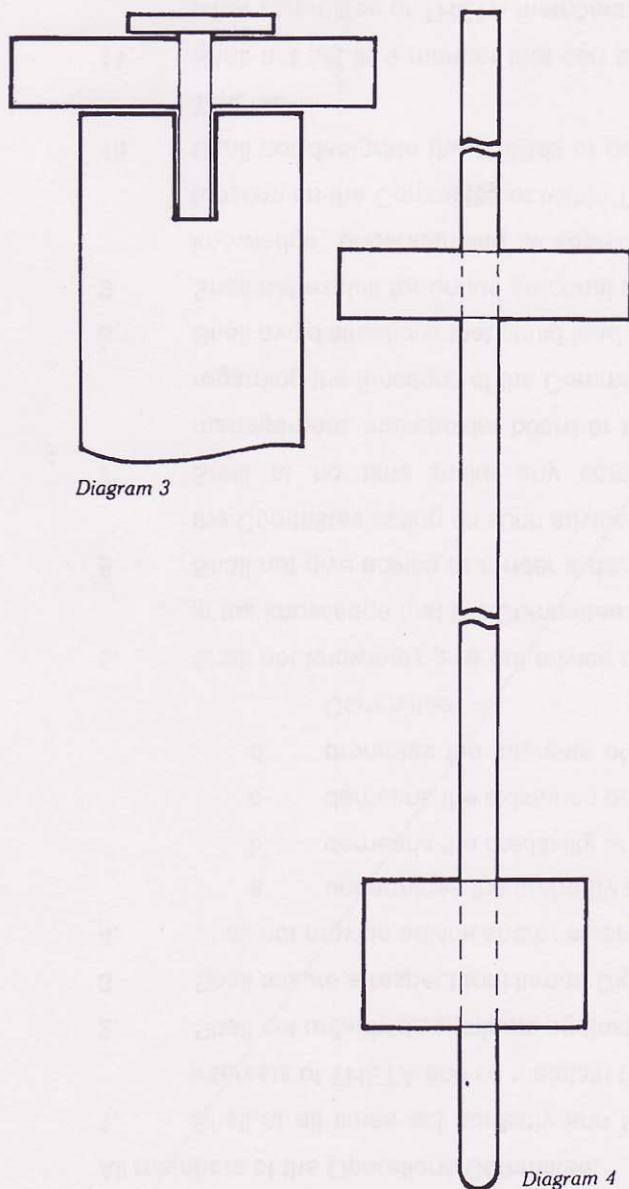


Diagram 3

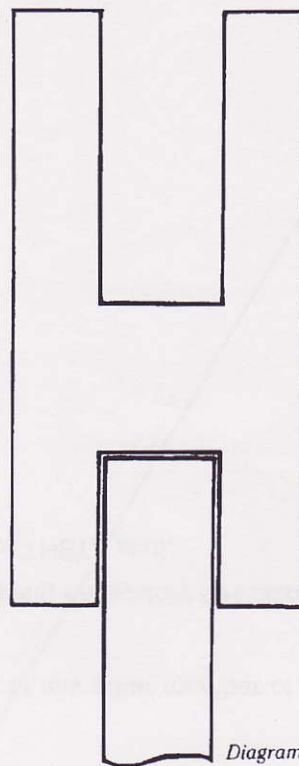


Diagram 5

DIAGRAM 6

The head. Cut the head (8) to the shape required and glue in position in the groove in the endpiece.

Sand down and paint. Paint the wheels before finally fixing them in position. The head can be painted a plain colour or a face can be drawn or painted on.

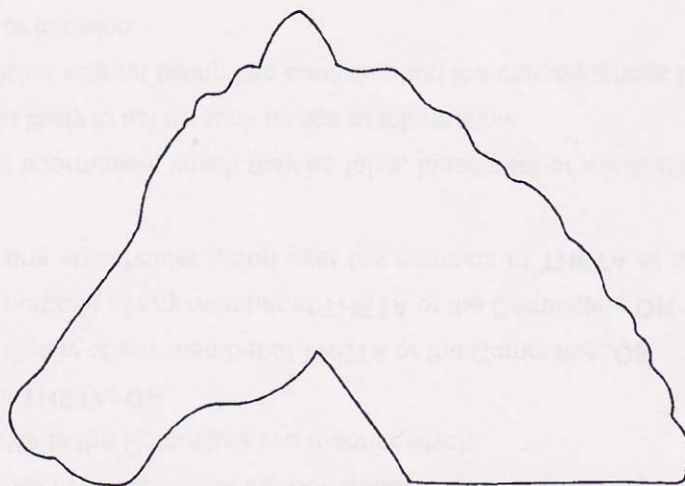


Diagram 6

MATERIALS FOR HOBBYHORSE

1. Handrail, timber: $18 \times 4 \times \frac{7}{8}\text{in}$ ($457 \times 100 \times 22\text{mm}$)
2. Bottom rail, timber: $9 \times 3 \times 2\text{in}$ ($228 \times 75 \times 50\text{mm}$)
3. Wheels (2), timber: 5 diameter $\times \frac{7}{8}\text{in}$ ($125\text{ dia} \times 22\text{mm}$)
4. Axles (2), dowel: $\frac{7}{8}$ diameter $\times 2\frac{1}{2}\text{in}$ ($22\text{ dia} \times 62\text{mm}$)
5. Plywood (2), plywood: 2 diameter $\times \frac{1}{4}\text{in}$ ($50 \times 6\text{mm}$)
6. Body dowel, dowel: $36 \times \frac{7}{8}\text{in}$ diameter ($914 \times 22\text{mm}$)
7. Endpiece, timber: $4 \times 4 \times 2\text{in}$ ($100 \times 100 \times 50\text{mm}$)
8. Head, timber: $9 \times 6 \times \frac{7}{8}\text{in}$ ($228 \times 150 \times 22\text{mm}$)

