TRUCK WITH BRICKS

All children like to have a solidly built truck or lorry to push about. This one incorporates its load as well, multi-coloured bricks as in 'Building blocks in box'.

DIAGRAM 1

Chassis and cab assembly. The chassis and cab assembly are made from the two pieces of timber (1) and the four pieces of timber (2, 3 and 4). Glue all these pieces together and, when the glue is set, mark out the shape of the cab. On the end of each main frame (1) mark a 45-degree slope, leaving a ½in (12mm) vertical surface for the tailgate to be attached. Cut out the shape of the cab and the main frame with a coping saw or bandsaw.

Mark the centres of the holes for the axles on the main frames ½in (12mm) from the bottom of the frame and lin (25mm) in from the curves of the cab bottom and the tailgate. Drill ½in (12mm) holes for the axles. When drilling the hole for the rear axle, place a piece of scrap timber between the main frames for support. Drill these holes vertically through the assembly to ensure that the wheels will run smoothly.

DIAGRAM 2

Cut out the four wheels (12) with the hole saw (see Tools, page 11) and two dowels for the axles (6). Insert an axle into one wheel, ensuring that the axle finishes flush with the outside edge of the wheel. When this is done, glue the wheel in position. Repeat this operation for the second axle. Place the pieces of ¼in (6mm) ply (5) square with the back and top of the cab section. Insert an axle and wheel in the hole in the main frame at the cab bottom. Mark the shape of the cab and the wheel on the plywood. Allow 1/4in (6mm) clearance around the wheel and cut to shape, (shaded areas in Diagram 2). Glue both pieces in position on the cab sides to simulate mudguards.

The wheels and axles should be put on one side at this stage until the assembly has been painted.

DIAGRAM, 3 (see next page)

The body section. Make the body section from the three pieces of timber (7 and 8) and the two pieces of ¼in (6mm) plywood (9). Glue these together to form a box.

When it is assembled, check the internal dimensions of the body to ensure that the bricks will fit into it with a





