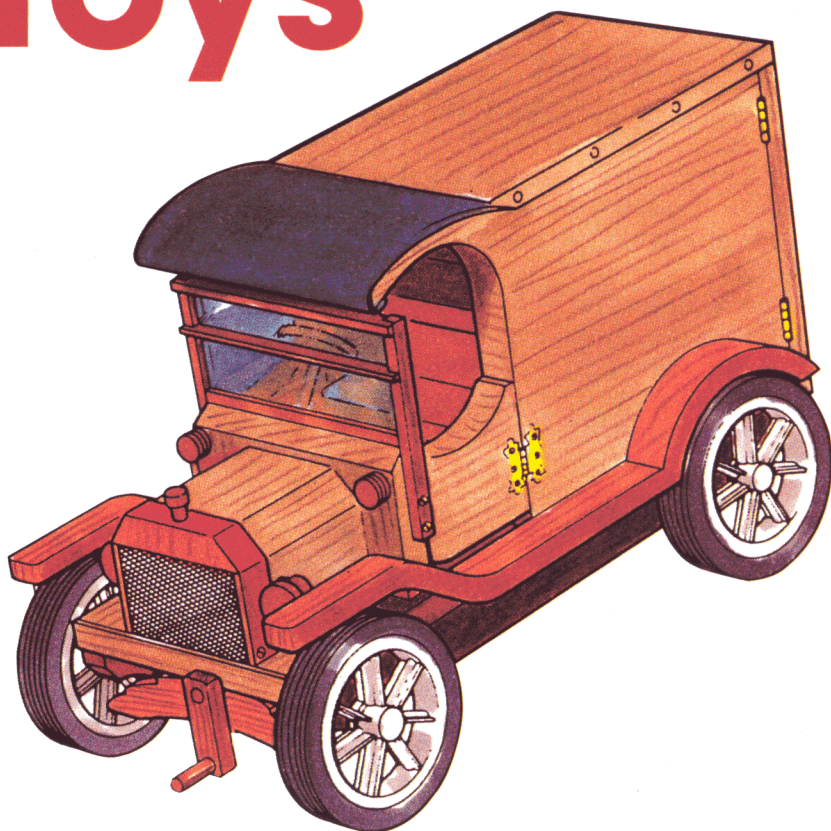


Great toys

MAKE A FORD MODEL "T" DELIVERY VAN

This "Golden Oldie" is based on the famous Ford Model "T" delivery van, which faithfully served so many tradesmen from the early 1900s through to the late 1920s. Hinged cab and rear doors are featured and the canvas roof with sweep over the driver's compartment adds to the fascination of building this classic vehicle.



Materials required:

4 x 108mm diameter road wheels

Four spring caps, two axles, roof covering fabric, brass strip for radiator, radiator mesh

Hinges: four for back doors and two for front doors

Perspex, variety of screws, wood glue, varnish

NB: In addition to these, offcuts of timber are required for the radiator cap, door closure bar, steering wheel, headlights, cranking handle and thin strips for radiator cowlings

ASSEMBLY INSTRUCTIONS:

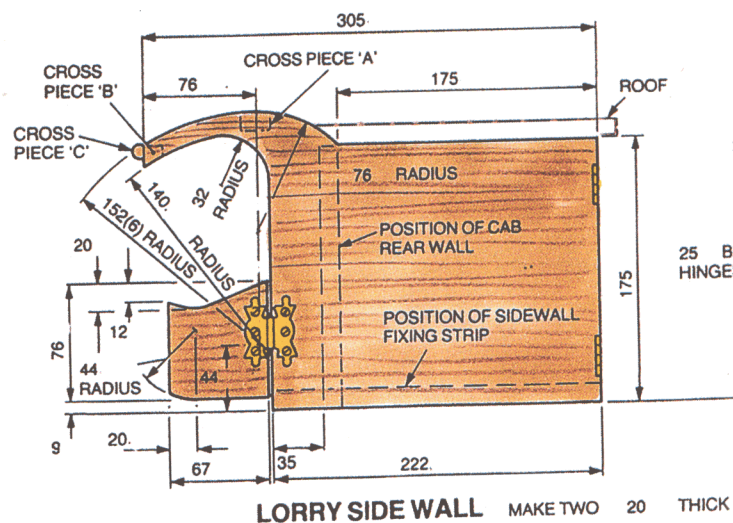
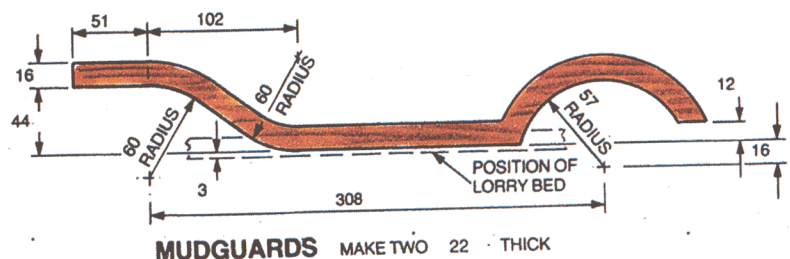
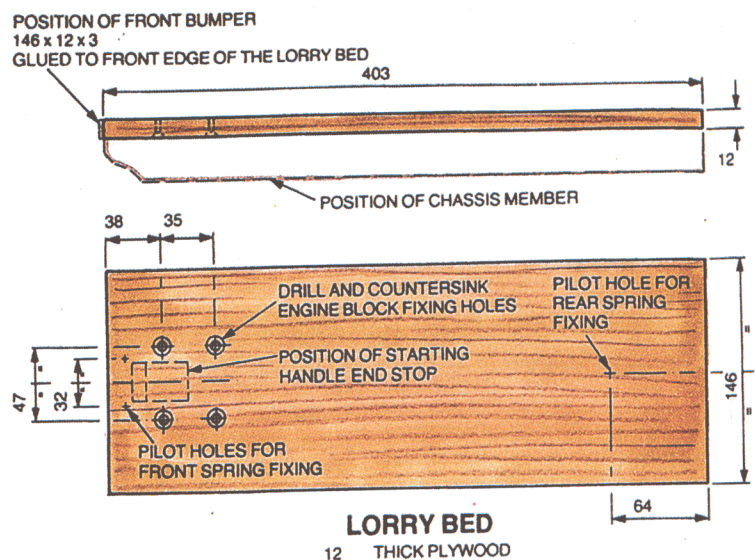
1. Cut to shape the lorry bed.
2. Prepare two chassis members, tape them together and drill the axle holes.
3. Chassis members are screwed from the underside onto the lorry bed.
4. Make the front and rear springs. These do not actually work, but add to the realism. The springs are screwed onto the lorry bed.
5. Cut and fit the cranking handle.
6. The mudguards are cut from one single piece. This is not essential, but does make the "line" of the van look better.
7. The engine block is formed from solid block. Shape up the sizes as shown.
8. The radiator "header tank" and sides are formed by cutting thin strips of veneer (thin strips of wood). These are glued onto the front of the engine block.
9. The radiator grille is made from mesh and the panel pinned in place.
10. Brass strip around the front of the radiator is secured at both ends with brass screws.
11. A little radiator cap can be formed by fixing a short length of dowel rod in the chunk of an electric drill. With the drill firmly clamped to the bench top, the shape of the cap can be formed using glass paper. The headlights are also formed in this way. Be certain to clamp the electric drill securely.
12. Cut to shape the cab front bulkhead. This is screwed onto the engine compartment.
13. The windscreen assembly is made from thin strips of wood, which are considerably strengthened by the perspex which is glued onto the wood.
14. The windscreen assembly is screwed onto the cab front bulkhead.
15. The cab sides have next to be drawn onto the pine from which they are cut out. A coping saw is ideal for

cutting the shaped canopy at the front. After both sides have been cut out, tape them together and trim them as a pair. All saw cuts should be glasspapered away.

16. The cab rear wall is now out.
17. Glue and screw the side wall, fixing strips onto the sides.
18. Make the two back doors. The closure bar is made from an offcut.
19. Fix hinges to doors and side walls.
20. Now glue and screw the side walls onto the lorry bed and fix the cab rear wall and cross-pieces A, B and C.
21. Screw the roof on.
22. Fix the seat, driver and passenger doors and steering wheel.
23. The roof fabric should be strong and stiff, eg denim is ideal for this purpose. Cut out a cardboard pattern first, leaving plenty of overlap. The portion over the driver's cab can be padded out with an extra strip to give it more "body". The fabric is glued to the edges around the cab, but secured to the side walls and back using brass dome-shaped upholstery pins.

Cutting list:

- Chassis members - 2 off 403 x 28 x 16mm
- Mudguards - 2 off 432 x 60 x 22mm
- Lorry bed - 1 off 403 x 146 x 12mm
- Front bumper - 1 off 146 x 12 x 3mm
- Rear spring - 1 off 152 x 35 x 9mm
- Front spring - 1 off 152 x 35 x 9mm
- Engine block - 1 off 89 x 76 x 67mm
- Cab front bulkhead - 1 off 133 x 64 x 20mm
- Windscreen assembly uprights - 2 off 124 x 8 x 8mm
- Windscreen assembly cross-piece - 1 off 149 x 6 x 5mm
- Windscreen assembly cross-piece - 1 off 149 x 6 x 3mm
- Windscreen assembly cross-piece - 1 off 149 x 6 x 6mm
- Lorry side wall - 2 off 305 x 196 x 20mm
- Rear doors - 2 off 191 x 73 x 12mm
- Roof - 1 off 200 x 146 x 12mm
- Side wall fixing strips - 2 off 222 x 20 x 12mm
- Seat - 1 off 108 x 51 x 12mm
- Cab doors (front) - 2 off 67 x 76 x 20mm



The diagrams show two cross pieces. Cross Piece 'A' is a rectangular piece with a length of 108 and a width of 20. It has a small square notch on one end with a width of 12. Cross Piece 'B' is a rectangular piece with a length of 108 (4 1/4) and a width of 12. It has a small square notch on one end with a width of 6.

Technical drawing of a wooden beam. The top view shows a rectangular cross-section with a width of 200. The side view shows a rectangular cross-section with a height of 146. The length of the beam is 187.

SIDE WALL FIXING STRIPS MAKE TWO

**REAR DOOR
CLOSURE BAR**

3. THICK

SEAT

12 THICK PLYWOOD

LEFT HAND REAR DOOR

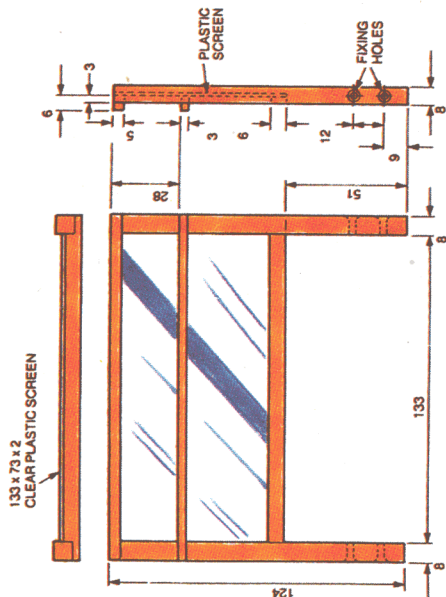
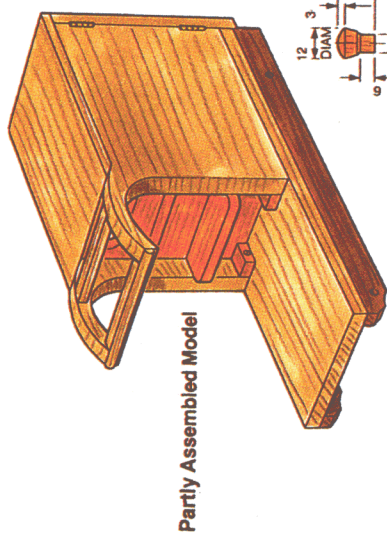
12 THICK PLYWOOD

**RIGHT HAND
REAR DOOR**

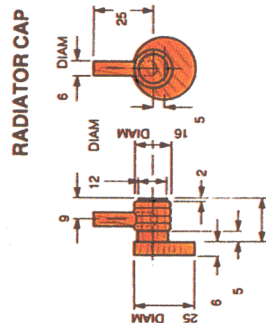
12 THICK PLYWOOD

CAB REAR WALL

FELT STUCK TO BACKREST AND SEAT TO FORM SEAT COVERING



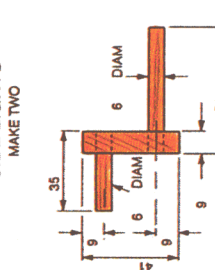
RADIATOR CAP



HEADLIGHT ASSEMBLY



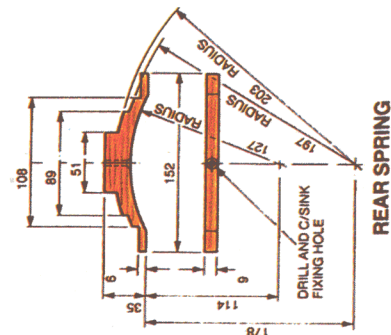
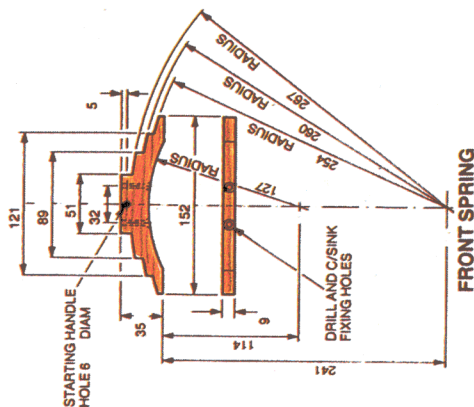
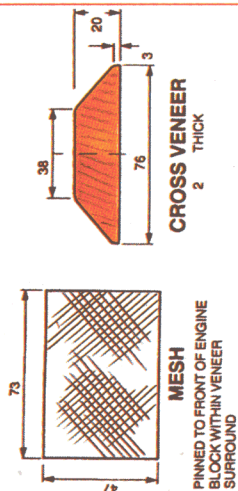
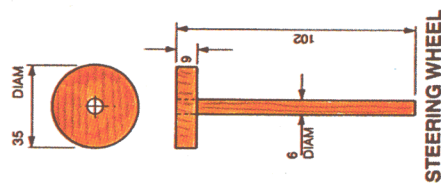
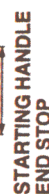
SIDE LIGHTS



STARTING HANDLE



STARTING HANDLE END STOP



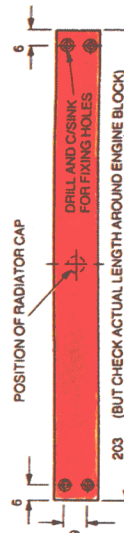
ENGINE BLOCK



VERTICAL VENEERS

47 x 2 x 2

VENEER TO BE GLUED TO FRONT OF ENGINE BLOCK AND THEN TRIMMED TO ACTUAL CONTOUR



POSITION OF RADIATOR CAP

DRILL AND C/SINK FOR FIXING HOLES

(BUT CHECK ACTUAL LENGTH AROUND ENGINE BLOCK)