

Georgian dolls' house

Glue and pin top and bottom panels (1) to side panels (2), back edges flush, to make frame. Cut cross-halving joints 6 in. from right end of floors (3) to take wall (5). Cut cross-halving joints in wall to take floors, second floor $8\frac{1}{2}$ in. from top of wall and first floor $8\frac{3}{4}$ in. below top floor.

Cut $5\frac{1}{4} \times 2\frac{1}{2}$ in. doorways in wall, 1 in. from front edge. Cut $4 \times 1\frac{1}{2}$ in. notch in right back corner of floors for stairwell.

Fix knobs to internal doors (8). Hinge doors to wall with small brass hinges.

Glue walls and floors together. Glue and pin assembly in frame, pinning through top, bottom and side panels.

Cut floor battens (4) to fit between wall and side panels and glue them to underside of floors, flush with front edges. Glue and pin back panel (9) to frame.

Cut $5\frac{1}{4} \times 2\frac{1}{2}$ in. doorway in centre of w.c. front wall (6). Hinge door to wall. Glue and pin front wall to w.c. side wall (7). Glue w.c. walls into left back corner of second floor lobby.

Make each staircase in three flights of eight stairs with two landings. Glue wide faces of $1\frac{1}{2}$ in. lengths of $\frac{3}{8} \times \frac{3}{8}$ in. triangular moulding to $1\frac{3}{8}$ in. wide strips of $\frac{1}{4}$ in. plywood, panelled at sides with $\frac{1}{8}$ in. thick hardboard. Top flight is unpanelled, so plywood must be $1\frac{1}{2}$ in. wide. Glue staircases in place. Make balusters from $\frac{1}{4}$ in. dowel or solid $\frac{1}{4}$ in. plywood.

Glue $\frac{1}{4}$ in. half-round moulding, mitred at corners, around doorways.

Cut windows in façade (10). Windows of ground and first floors are $5\frac{1}{4} \times 2\frac{1}{2}$ in., and second floor windows are $4\frac{3}{16} \times 2\frac{1}{2}$ in. Windows are 3 in. apart, starting $2\frac{1}{4}$ in. from left edge, and $3\frac{1}{2}$ in. apart, starting $2\frac{1}{2}$ in. from bottom edge.

Cut $5\frac{3}{8} \times 3$ in. front doorway, on centre line of right windows. Cut $1\frac{1}{2}$ in. radius semicircular window $\frac{3}{8}$ in. above doorway.

Glue and pin side battens (11) and top and bottom battens (12) to back of façade, flush with edges. Cut small finger-notch in right side batten.

Paint inside edges of windows and stick brick paper to front of façade. Paint front door (13). Fix knob at dead centre and hinge door to façade.

Paint window-sills (14), glazing bars (15), frieze (16) and door-frame mouldings.

Glue window-sills centrally under windows. Glue transparent acetate film to back of all windows. Glue glazing bars (15) across centre of rectangular windows. Cut radial glazing bars from cardboard and glue them to semicircular window.

Glue mouldings and hardboard around doorway to make door-frame.

Glue frieze to façade, 1 in. above first floor windows. Hinge façade to frame with 1 in. long hinges let into left side panel. Let magnetic catch into right side panel.

Mitre ends of roof moulding (17 and 18) and glue moulding around top of frame, flush with bottom edge of top panel.

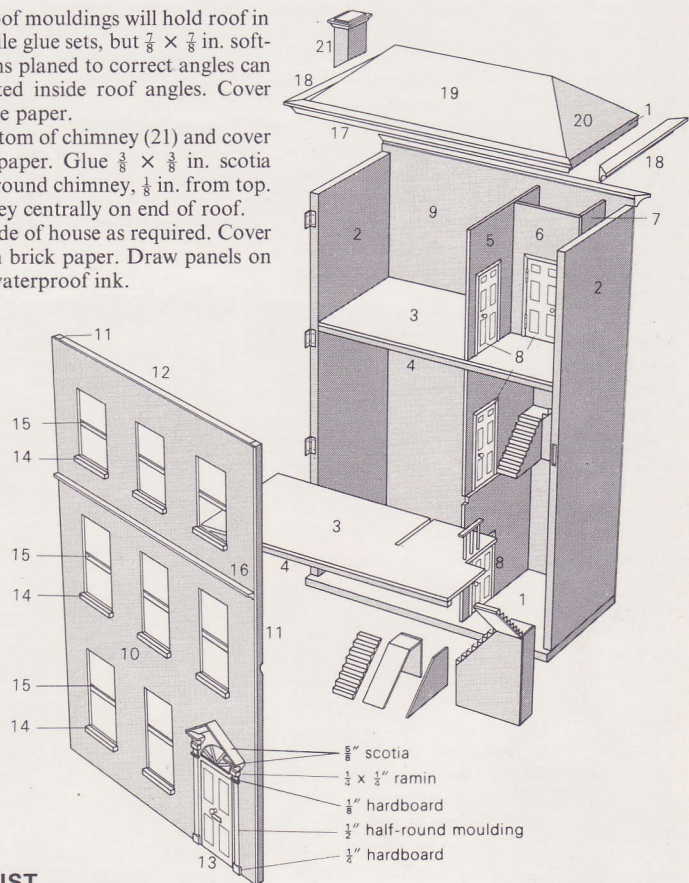
Cut ends of roof front and back (19) to 60° and roof ends (20) to 45° . Bevel edges of roof parts to butt together. Glue roof

together. Roof mouldings will hold roof in position while glue sets, but $\frac{7}{8} \times \frac{7}{8}$ in. softwood battens planed to correct angles can be rub-jointed inside roof angles. Cover roof with tile paper.

Mitre bottom of chimney (21) and cover with brick paper. Glue $\frac{3}{8} \times \frac{3}{8}$ in. scotia moulding around chimney, $\frac{1}{8}$ in. from top. Glue chimney centrally on end of roof.

Paint inside of house as required. Cover outside with brick paper. Draw panels on door with waterproof ink.

Fig. 1.



PARTS LIST

No.	Name	Quantity	Long	Wide	Thick	Material
1	Top/bottom panels	2	18"	$8\frac{3}{4}$ "	$\frac{3}{8}$ "	softwood
2	Side panels	2	$26\frac{3}{4}$ "	$8\frac{1}{8}$ "	$\frac{3}{8}$ "	softwood
3	Floors	2	$16\frac{3}{4}$ "	$8\frac{1}{8}$ "	$\frac{1}{4}$ "	plywood
4	Floor battens	2	$16\frac{3}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	ramin
5	Wall	1	$26\frac{3}{4}$ "	$8\frac{1}{8}$ "	$\frac{1}{4}$ "	plywood
6	W.C. front wall	1	$8\frac{1}{2}$ "	$4\frac{1}{2}$ "	$\frac{1}{4}$ "	plywood
7	W.C. side wall	1	$8\frac{1}{2}$ "	3"	$\frac{1}{4}$ "	plywood
8	Internal doors	4	$5\frac{1}{4}$ "	$2\frac{1}{2}$ "	$\frac{1}{4}$ "	plywood
9	Back panel	1	28"	18"	$\frac{1}{8}$ "	hardboard
10	Façade	1	$26\frac{3}{4}$ "	18"	$\frac{1}{8}$ "	hardboard
11	Side battens	2	$26\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	ramin
12	Top/bottom battens	2	17"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	ramin
13	Front door	1	$5\frac{3}{8}$ "	3"	$\frac{1}{4}$ "	plywood
14	Window-sills	8	$2\frac{3}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	ramin
15	Glazing bars	8	$2\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	obeche
16	Frieze	1	18"	$\frac{3}{8}$ "	$\frac{3}{8}$ "	scotia moulding
17	Roof moulding	2	$19\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	scotia moulding
18	Roof moulding	2	$10\frac{3}{8}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	scotia moulding
19	Roof front/back	2	18"	$5\frac{1}{2}$ "	$\frac{1}{8}$ "	hardboard
20	Roof ends	2	$8\frac{7}{8}$ "	$4\frac{1}{2}$ "	$\frac{1}{8}$ "	hardboard
21	Chimney	1	3"	$1\frac{7}{8}$ "	$\frac{7}{8}$ "	softwood

HARDWARE: four $1 \times \frac{3}{4}$ " (open) brass butt-hinges; ten $\frac{3}{4} \times \frac{1}{2}$ " (open) brass butt-hinges; one rectangular mortise-type magnetic catch; five model door knobs

Notes: list does not include internal door-frames, stairs or chimney. Total lengths required for these parts are 98" of $\frac{1}{2}$ " half-round moulding, 72" of $\frac{3}{8} \times \frac{3}{8}$ " triangular moulding and $7\frac{1}{2}$ " of $\frac{3}{8}$ " scotia moulding. Make front door-frame from offcuts. Dimensions in list are finished sizes; when ordering timber, allow extra for waste

Dolls' house and bed



Designer, Neville Fox-Davies

Printed brick and tile papers add realism to this Georgian-style dolls' house. The façade is hinged but not detachable.