

AFTON classics

FLORHAM PARK, NEW JERSEY 07932

IMPORTANT: READ ALL INSTRUCTIONS BEFORE STARTING ASSEMBLY.
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Your kit includes sandpaper, nails and all necessary hardware. Glue is not included. It is recommended that you use Elmers Professional Carpenters Wood Glue.

Step 1 Sand where needed. Do all painting before assembling the house. First apply a primer coat. Next apply one or more finish coats.

Step 2 Before assembling your doll house it is best to glue on all necessary trim such as shutters, etc. in the following manner:

2A. Lay the front section on a table smoothest side up. Temporarily put windows in each window opening making sure they're straight. Now glue on the shutters - then the upper and lower window trim. Leave an equal amount of space between the top and bottom of each shutter and the plexiglas window. Keep each pair of shutters lined up evenly. Each shutter should overlap the white paint of the window by approximately 1/16th of an inch. See Fig. 1. Make sure upper and lower trim are centered and butted against shutters. See Fig. 2. Repeat for side section with window opening.

2B. When outside trim is dry turn front section over and place windows in window openings and secure with glue. Repeat for side section.

2C. The inside window trim can either be glued on now, or later if the interior is to be decorated after assembly. You will notice that there are two different lengths of inside window trim. The short pieces are 4 1/8" L and the long pieces are 4 3/8" L. The shorter ones go on the top and bottom of the windows and the longer pieces along the sides. First glue a short piece to the top of the window and overlap the window by about 1/8". Make sure it is centered left to right, then do the sides lining them up directly below the top piece and flush with the outsides of the top piece. Finally glue on the bottom piece and repeat for all windows.

Step 3 First floor assembly. Note the first and third floors are the same size. Since the bottom of the first floor is not visible when the house is assembled be sure to use the better pc. (if there is a difference) for the third floor. The first floor consists of one 1/4" pc. of plywood 15 7/8" W x 29 1/4" L and two pcs. of wood 3/4" sq. x 14 3/16" L and two pcs. of wood 3/4" sq. x 29 1/4" L. Glue and nail the four pcs. of wood with four 1 1/2" nails. See Fig. 3. Next glue and nail the plywood floor (smoothest side up) to the frame with fourteen 7/8" nails, three along each short side and four along the long sides.

Step 4 Third floor assembly. The third floor consists of one 1/4" pc. of plywood 15 7/8" W x 29 1/4" L and two pcs. of wood 3/4" x 5/8" x 14 3/4" L and one pc. of wood 3/4" x 5/8" x 29 1/4" L. There is no back pc. on the 3rd floor frame. Glue the two shorter pcs. of wood to the longer pc. WITH THE 3/4" SIDES OF THE WOOD AGAINST THE TABLE. Use two 1 1/2" nails on the two ends. See Fig. 4. Next glue the 3rd floor to the frame WITH THE SMOOTHEST SIDE OF THE PLYWOOD FACING DOWN. Use four 7/8" nails along the front and three along each side.

Step 5 Before doing Step 5 look closely at Fig. 5 so that you understand which is the front and back side of the peak on each side section. The side section with the window goes on the left side of the house when looking at the front of the house. The side without the window, which is shown in Fig. 5, goes on the right side of the house. To correctly determine the front and backs of the peaks place the sides together with the smooth sides facing out. Be sure to place the side section with the window on the left and the plain side section on the right. Then mark front and back on peaks. Next take one short roof support (pc. of wood 3/4" sq. x 2 1/2" L) and one long roof support (pc. of wood 3/4" sq. x 7 1/4" L). Place glue along one side of the short roof support and attach it to the inside of the side section with

no window along the back side of the peak. Place this support flush to the very top of the peak and make it flush with the back edge of the peak. Secure with two 7/8" nails from the outside of the side section. See Fig. 5. Now glue the long support to the front side of the roof peak. Make it butt against the short roof support and make it flush with the front edge of the peak. Secure with three 7/8" nails. Repeat for other side. See Fig. 5.

Step 6 Assembly of doll house - follow instructions starting with 6A.

6A. Lay the first floor on a table and put glue along the left side. Secure the left side section (side with window) with three 7/8" nails making sure that the front of the side and the front of the floor are flush. Repeat for right side. See Fig. 6. NOTICE THAT THE SIDES EXTEND ABOUT 1/4" BEYOND THE BACK OF THE FLOOR - this space is for the rear floor trim (which is attached later).

6B. Take two partitions and place one at each end of the first floor and rest them snugly up against the sides of the house. These will serve as temporary supports for the second floor while nailing. Make sure that these temporary supports are resting squarely in the corner as they will set the proper height for the permanent position of the partitions. Glue the two ends of the second floor and set it on top of the partitions making sure that the STAIR OPENING IS CLOSER TO THE FRONT AND RIGHT SIDE of the house when looking from the front. Nail with three 7/8" nails in each side. See Fig. 6. Next take the two second floor partitions and place one at each end of the second floor against the sides of the house. Glue the two sides of the 3rd floor making sure that the glue is spread neatly so that it covers both the 1/4" floor and the pieces of wood previously secured to it. Now set the 3rd floor in place resting it on the top of the 2nd floor partitions frame side up. Making sure that the third floor is flat on the partitions hammer three 7/8" nails in each side section. The back of this floor has no frame pc. The first floor rear trim is 1 1/8" W and the second floor trim is 1/2" W; attach each with glue and three 7/8" nails making sure that the 1st floor trim is flush with the bottom of the floor - it (1st floor trim) will overlap slightly on the top of the floor.

6C. Remove the partitions from their temporary position and glue the top and bottom of one of the first floor partitions. Working from the front of the house slide the partition into position flush with the right side of the stair opening. Also, have the end of the partition line up flush with the front edge of the first and second floors.

6D. Gluing in stairway and stair side. It does not matter which end of the stairway goes up. This job is handled from the back of the house. The stairway goes downward away from the front of the house and one side of the stairway butts against the partition next to the stairway opening. Also, the top of the stairway should fit under the 2nd floor about 1/8" beyond the edge of the stairway opening. Temporarily set the stairway in place then remove it and place glue along the top, bottom and side of the stairway where it contacts the parts of the house. Now set it in place and let dry. Next glue in the stairway side as shown in Fig. 7. Turn house to front again and glue and slide another partition into place approximately 7" to the left of the first partition or wherever you prefer. Again, have front end line up flush with the floors, let dry. You can eliminate this partition to make a larger living room.

6E. Securing front section to the house. This job is best handled by laying the house on its back with the front up. Glue the edges of the floors, side sections and partitions which will be making contact with the front section. Use four 7/8" nails into each floor. Make the bottom of the front flush with the bottom of the first floor. Don't worry if the front is slightly short of the sides as the corners are covered later.

6F. Place the two 2nd floor partitions flat on a table. Put glue on one end of two interior doorway tops (1/4" pcs. 5/8" x 3") and glue one to each partition as shown in Fig. 8. Make sure that all pieces are flat against the table. Glue the long doorway top (1/4" pc. 5/8" x 6 15/16" L) to the bathroom partition (1/4" pc. 3 7/8" x 7 3/16" L) as shown in Fig. 9. These openings will be interior doorways. Both 2nd floor partitions must be installed with the doorways toward the front of the house. When dry glue one of the partitions (not the bathroom partition) flush with and to the left of the stairway opening (to the left looking from the back of the house). THE DOORWAY OPENING MUST BE TOWARD THE FRONT OF THE HOUSE There will

tance between the partition just installed and the opposite side of the stairway opening. See Fig. 10. Now transfer this measurement to bathroom partition as shown in Fig. 11 and glue the stairway guardrail (1/4" pc. 1 3/4" H x 6 1/2" L) in place at the measured line as shown. Make sure that both the guardrail and partition are flat against table while drying. Look at Fig. 12 to see how bathroom is set up. Note: It is advisable to leave the bathroom partition removable so that it can be slid out at any time for better play and ease of redecorating. Set the bathroom partition in place against partition A and flush with the end of the stairway opening. Now glue partition B in place allowing a slight gap between it and the removable bathroom partition so that the bathroom partition can be removed when necessary. Also, make sure that the doorway opening of partition B is toward the front of the house. Take the remaining two doorway tops and glue them to the 1st floor partitions to form doorways toward the back of the first floor. If you hold the pieces for a short time they should remain in place.

6G. Take the rear roof sections, two pcs. of 1/4" plywood (one 2 5/8" x 31 1/2" L and one 9 1/2" x 31 1/2" L) and place them on a table smoothest side down. Place them so they are flush along the long sides. See Fig. 13. Measure approx. 15 7/8" in from the ends of the two roof sections and mark the dimensions lightly on both. Take two blocks (pcs. meas. 1 1/4" x 1 7/8") and place one on the small section so that it is located 1/4" to the left of the 15 7/8" mark and also so that it overlaps onto the larger section by about 1/4". See A in Fig. 13. Place other block on the large section 1/4" to the right of the 15 7/8" mark and also so it overlaps onto the small section by 1/4". See B in Fig. 13. These blocks will prevent the roofs from sagging one below the other. Lightly pencil in the exact location of each block. Then glue each in place making sure block A overlaps the large roof section but does not get adhered to it, and block B overlaps the small roof section but does not adhere to it. The four remaining blocks get glued 4" from the ends of the roof sections as shown in Fig. 13. Be sure they don't stick to each other. These blocks will prevent the hinge screws from protruding through. After the blocks dry turn the roof sections over and fasten the two butt hinges over the places where the blocks were set. Next take the roof supporting block (pc. 3/4" sq. x 3"L) and glue it to the inside of the small section of the roof. Center and make it flush with the edge of the roof section. See Fig. 13. When dry put two 7/8" nails into the supporting block from the outside of the roof. Now place glue along the small roof support which was previously attached to the rear peak of each side. Place the rear roof (with the smaller section at the top) on the rear roof supports, center it and make it flush with the tops of the peaks. Put two 7/8" nails through the roof into each rear roof support. Place glue along the two front roof supports and the roof supporting block previously attached to the rear roof and place glue along the entire top edge of the rear roof. Next take the front roof section (1/4" plywood 12 5/8" x 31 1/2" L) and set it in place making it even with the ends of the rear roof. The top edge of the front roof should be flush with the rear roof. Put three 7/8" nails through the roof into each front roof support and put two 7/8" nails through the front roof into the roof supporting block. The two chimneys can be glued on or left removable.

Step 7 Assembly of porch.

7A. Notice that there are seven railings - two with 8 balusters (uprights), two with 7 balusters, two with 4 balusters and one with 10 balusters. This instruction sheet includes patterns for each rail section. Where there are two of the same size railing you will have to use the pattern twice. First tape the patterns onto a piece of corrugated cardboard and cover them with wax paper or clear plastic food wrap in order to prevent glue from sticking to the patterns. Next take the appropriate rail sections and glue them together over the pattern. Use straight pins to hold the rail sections in place and let dry. The tops of the two short end rail sections with 4 balusters are close in length to the long pieces of inside window trim. Be careful not to mix them up.

7B. Figure 14 shows a simple top view of the perimeter of the house. Using this as a guide nail and glue the three small support blocks (3/4" sq. x 2 1/2" L) as they are dimensioned in the drawing. These blocks are lettered "A" in the drawing. The blocks should be flush with the very bottom of the house. Use one 1 1/2" nail in each block. For best results place the house on a flat surface then glue the blocks in place rubbing them back and forth two or three times. After they dry hammer in the nails. Next take another 2 1/2" L block and a 3/4" sq. x 4 11/16"

piece of wood and glue and nail them as shown in Fig. 14 to form a corner support. Glue and nail the blocks to each other with $7/8$ " nails. Let dry then glue and nail it to the house with two $1\ 1/2$ " nails. Be sure to put glue on all points which contact the house. This piece also has to be flush with the bottom of the house and solidly into the corner.

7C. The porch floor consists of two sections of $1/4$ " plywood, one measures $5\ 9/16$ " W x $28\ 15/16$ " L and the other $5\ 9/16$ " W x $16\ 1/4$ " L. See Fig. 15 in order to see how they are layed out. Place the long porch floor section (front porch) upside down on a table. In this position the smooth side will be facing down. Next take one of the pieces of wood $3/4$ " sq. by $4\ 11/16$ " L and glue it to the bottom side of the long porch floor section so that it is $1/8$ " from the end of the porch and flush with the back edge of the porch floor. The back edge is that edge which will butt against the house when the porch is attached. See Step 1 of Fig. 16. Let dry then take the long piece of $3/4$ " sq. by $34\ 1/4$ " L wood and glue it to the bottom side of the long porch floor section so that the end of this long piece is flush with the side of the $4\ 11/16$ " L piece previously glued in place and equally spaced from the front edge of the porch. See Step 2 Fig. 16. When gluing this long piece in place be sure to put some glue on the end of the shorter piece where the two pieces butt together. When dry turn the porch floor over and hammer three $7/8$ " nails through the plywood floor into the short piece of wood and then hammer five $7/8$ " nails into the longer piece of wood. Leaving the porch right side up place glue along the top of the $3/4$ " piece of wood which is extending from under the porch. Also place glue along the end of the front porch floor which will butt against the shorter side porch floor section. Next place this shorter floor section (smooth side up) in place so that it butts against and is flush with this longer floor section. See Fig. 15. Temporarily place the remaining pieces of $3/4$ " sq. wood under the floor for support and hammer three $7/8$ " nails through the front end of the short floor section into this long $3/4$ " sq. piece. Then turn the porch over again so that the bottom is up. Place wax paper or clear food wrap under the surface where the two floor sections meet in order to prevent glue from sticking to the under surface. Again make sure that the two floor sections are flush where they meet. Weight may be added to keep them flush. When dry glue the remaining two $3/4$ " pieces of wood (one $15\ 1/4$ " L and the other $4\ 11/16$ " L) in position as shown in Fig. 17. Make sure that all joints are glued and the shorter piece is flush with the back edge of the side porch floor. It is best to do these remaining two pieces at the same time. When dry turn floor over and hammer three $7/8$ " nails through the floor into each $3/4$ " piece.

7D. Attaching the porch floor to the house. Put glue along the tops of all blocks which were previously attached to the house. Also place glue along all edges of the porch floor (including the ends of the two $3/4$ " sq. pieces of wood) which will contact the house when in place. Now set the porch in place hammering one $7/8$ " nail into each small block plus one or two into each piece of the corner support at the corner of the house. Make sure when doing this that the house and porch are on a flat surface.

7E. The two longest pcs. of corner trim (opposite angles at top) go on the back corners of the house and the next longest pc. with an angle at the top goes on the right hand front corner. The real short pc. with no angle goes on the left corner between the porch floor and porch roof and the other real short pc. with the angle goes on top of the porch roof. Now take two of the posts (pcs. of wood $1/2$ " sq. x $8\ 7/16$ " L) and put glue along one side and the very bottom of the two posts. Place one post $1/8$ " in from the end of the front porch and flat against the house. Since this post is $1/8$ " from the end of the porch it should be in line with the $3/4$ " porch frame below the porch floor. Make sure this post is straight up and down. Place remaining glued post $1/8$ " from end of side porch and against house in the exact same manner. See Fig. 19. When dry hammer a $1\ 1/2$ " L nail into each post and into the 2nd floor of the house. See Fig. 19. Next place glue along the inside and bottom of the piece of straight corner trim which is $8\ 7/16$ " L and place it at the corner of the house where the front and side porch floor sections meet. Make sure that the corner trim butts against the porch floor. See FIG. 19.

7F. Door assembly. Screw door knob into pre-drilled hole. Position a hinge in the mortise on the door as shown in Fig. 20. Make sure that the hinge lays flat on both the edge and the front of the door. In this position the hinge will be at a right angle as it lays on the door and there will be about a $1/8$ " gap between the edge of the hinge and the back side of the door. Mark screw holes with a pencil. Remove hinge and drill small holes for screws or use a nail to make hole. Screw on both hinges. Place a door side on the door as shown in Fig. 21. The door

sides are the pieces of wood $3/8" \times 5/8" \times 6 \text{ } 15/16"$ L. The door side should extend an equal amount of space on top and bottom of door. Mark holes and proceed as above. Take the door side with attached door and glue the door side to the right of the door opening making it flush with the door opening and butted against the porch floor. Glue other door side on leaving space for door to open. Next glue door peak in place centering it above the door sides. The door peak is the piece of wood $11/16" \times 7/8" \times 5 \text{ } 1/16"$ L with a contoured front. The long $11/16"$ flat side butts against the house.

7G. Next take the two end rail sections (4 balusters each) and glue one to each post and to the porch floor as shown in Fig. 19. The rail sections should be straight up and down and also $1/8"$ in from the ends of the porch. Next, take the two porch roof sections ($1/2"$ plywood) and glue them together on a table. The two roof sections are not quite as wide or as long as the floor sections. The end of the front porch roof (long piece) butts against the side of the side porch roof. Make sure that the two roof sections are flush along the fronts and on the top and bottom. It is a good idea to place wax paper or clear plastic food wrap under the place where the two pieces butt together so that any glue seeping through will not ruin the under surface. Check to see that both sections are laying flat. When dry temporarily set the porch roof in place and make a pencil mark where a nail can be hammered through the porch roof into the two posts previously connected to the house. Then remove the roof and hammer two $7/8"$ nails at the pencil mark on the roof. Don't let the nails go all the way through. Next place glue on the tops of the two posts connected to the house and the top of the corner guard. Also place glue along the back edge of the front and side porch roofs which will butt against the house. Get two more posts ready by placing glue on both ends of each post. Also place glue on the end of each end rail section (previously attached to the porch floor) where they will butt against the corner posts. Now set the roof back in place and finish hammering the nails in so that they go into the posts. Next take the two corner posts (with glue on both ends) and place them at the corners of the porch and butted against the two end rails. At this point you may, if needed, temporarily place a post (without glue) at the unsupported corner of the porch roof while all parts dry. Books or other weight can be used to keep the roof down on the posts. When dry, glue the remaining rail sections and posts in place in the following manner. The two rail sections with seven balusters (uprights) go along the side porch and should be glued into position before doing the two front sections with eight balusters. The two rail sections with eight balusters are placed along the front porch on the left looking at the front of the house. The remaining rail section with ten balusters goes to the far right on the front porch looking at the front of the house. See Fig. 22. Weight can be added to keep all pieces secure.

7H. Next glue the fancy trim pieces in place against the upper sections of the posts and the porch. See Fig. 22. When gluing these trim pieces place glue on both ends of each piece and then set it in place and move it briskly back and froth a few times stopping in its proper location. In this manner it should stay in place while drying.

7I. Glue the porch roof trim in place. The roof trim measures $1/2" \times 3/8"$ and has a contoured front and fits along the outside perimeter of the roof. First glue the longest piece to the front of the roof. The flat side of the trim which measures $1/2"$ is the side which gets glued to the roof. Now glue the next longest pc. to the side section. Finally glue the two remaining pcs. to the ends of the roof. See Fig. 22. Masking tape may be used to hold the trim in place while drying.

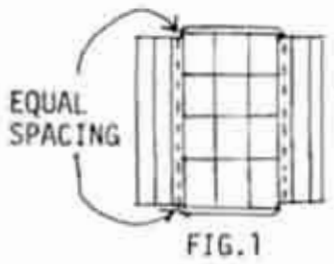


FIG. 1

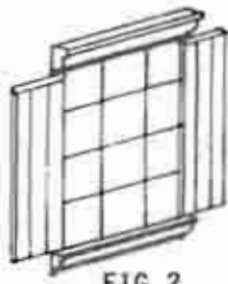


FIG. 2

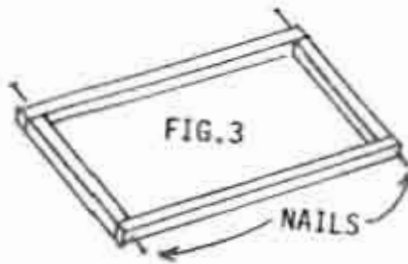


FIG. 3

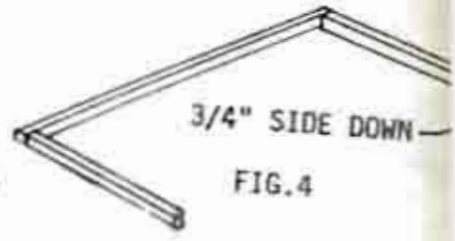


FIG. 4

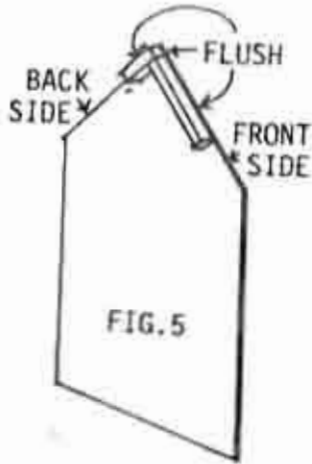


FIG. 5

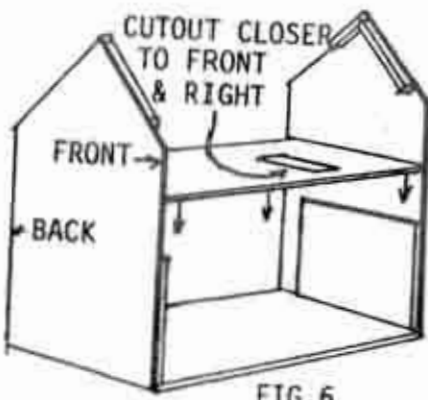


FIG. 6

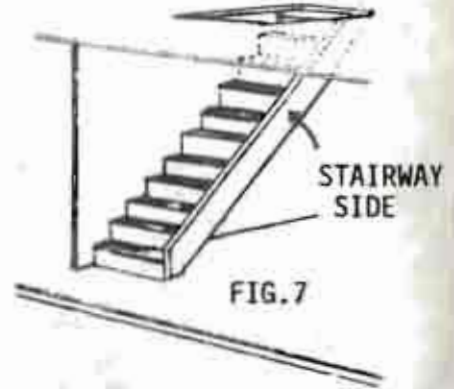


FIG. 7

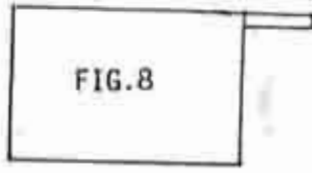


FIG. 8

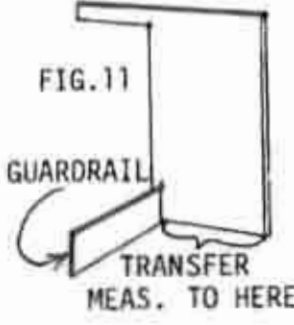


FIG. 11

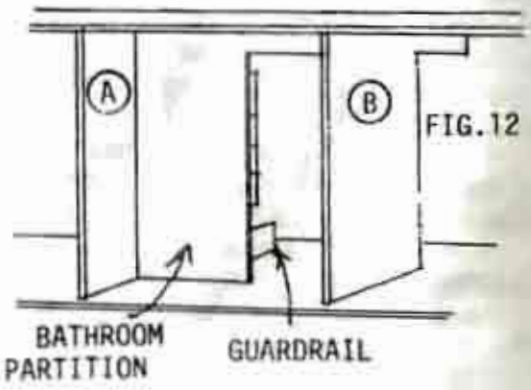


FIG. 12

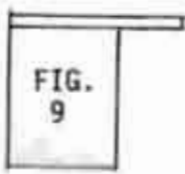


FIG. 9



FIG. 10
STAIR
OPENING

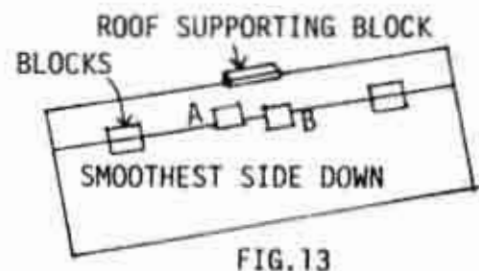


FIG. 13

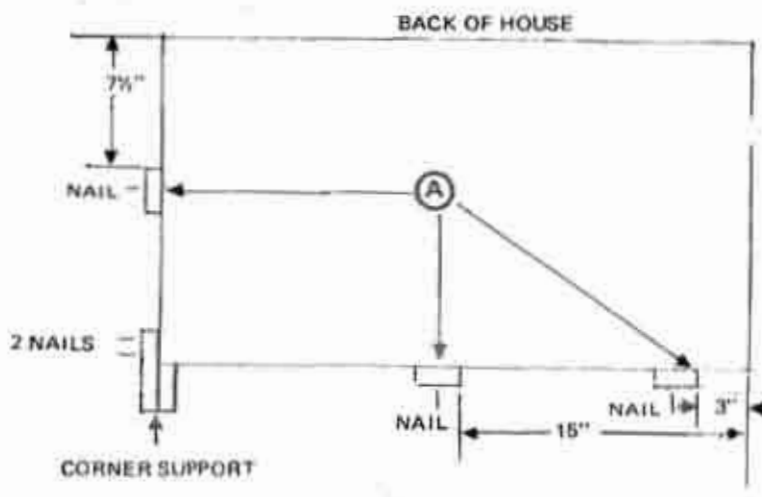


FIG. 14

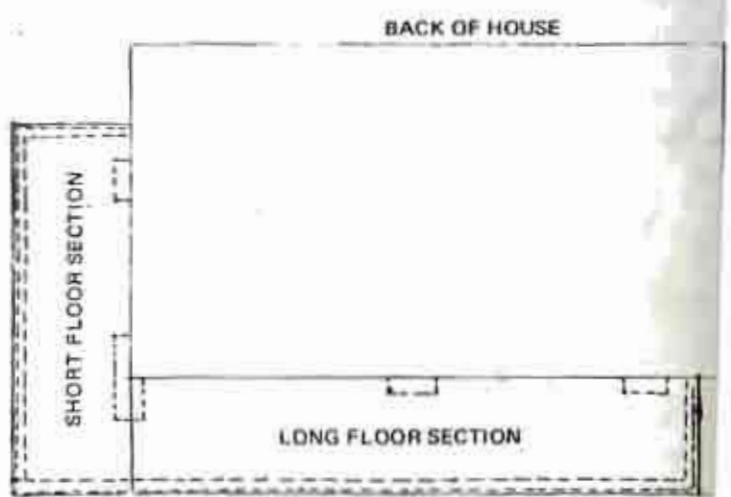


FIG. 15

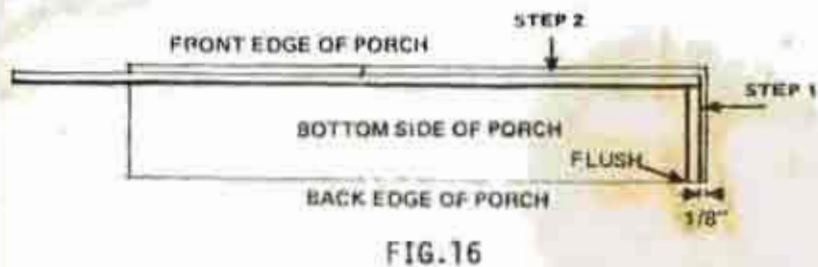


FIG. 16

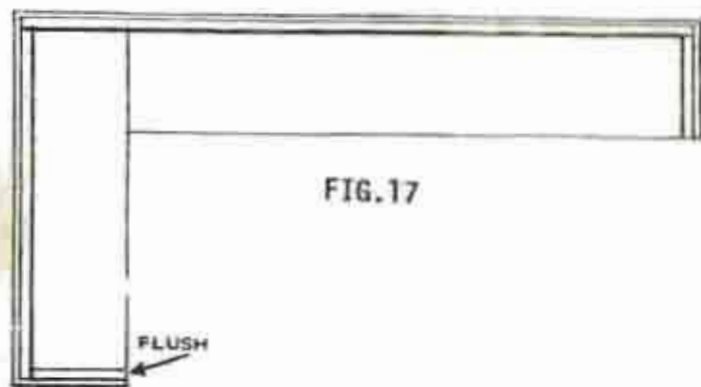


FIG. 17

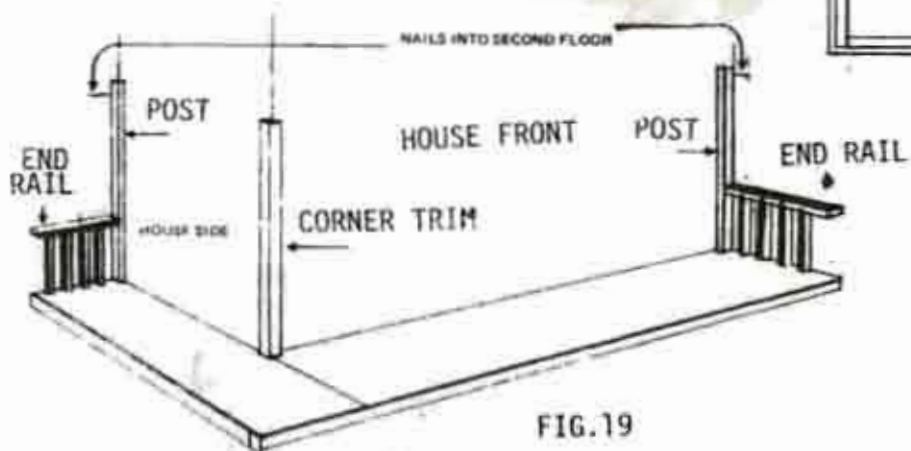


FIG. 19

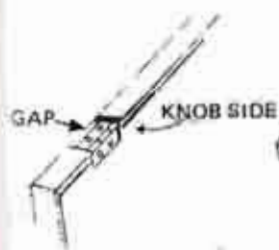


FIG. 20

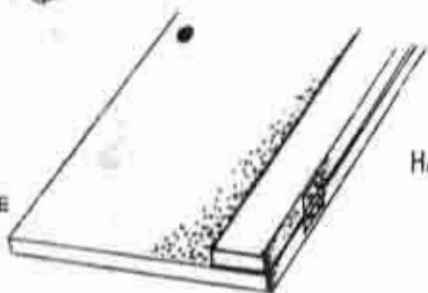


FIG. 21

FIG. 18
HAS BEEN ELIMINATED

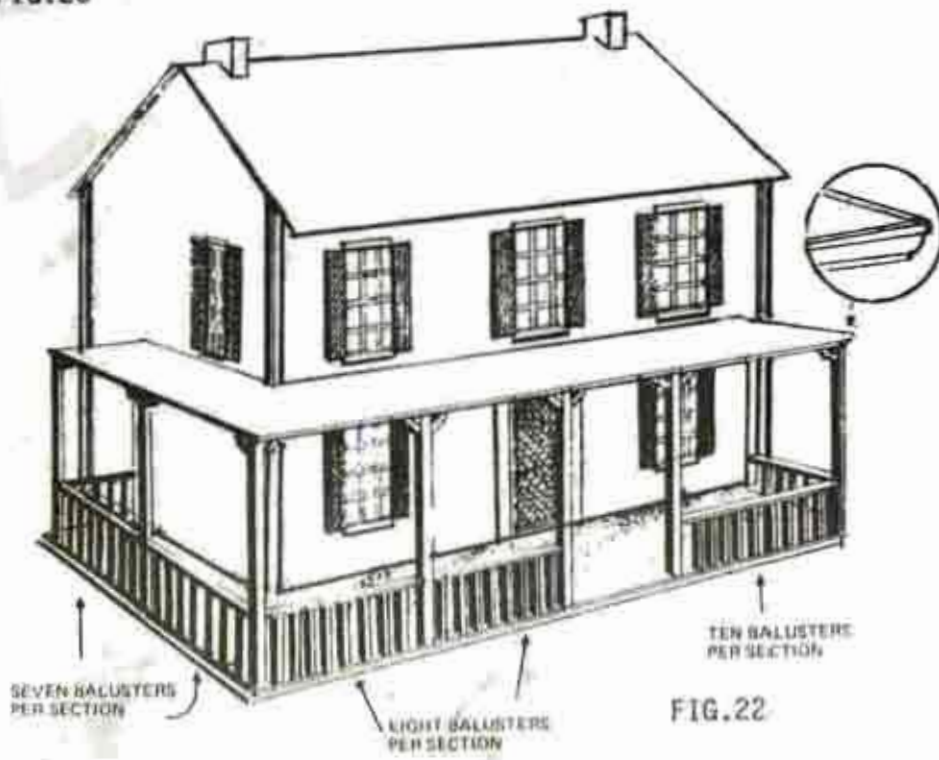
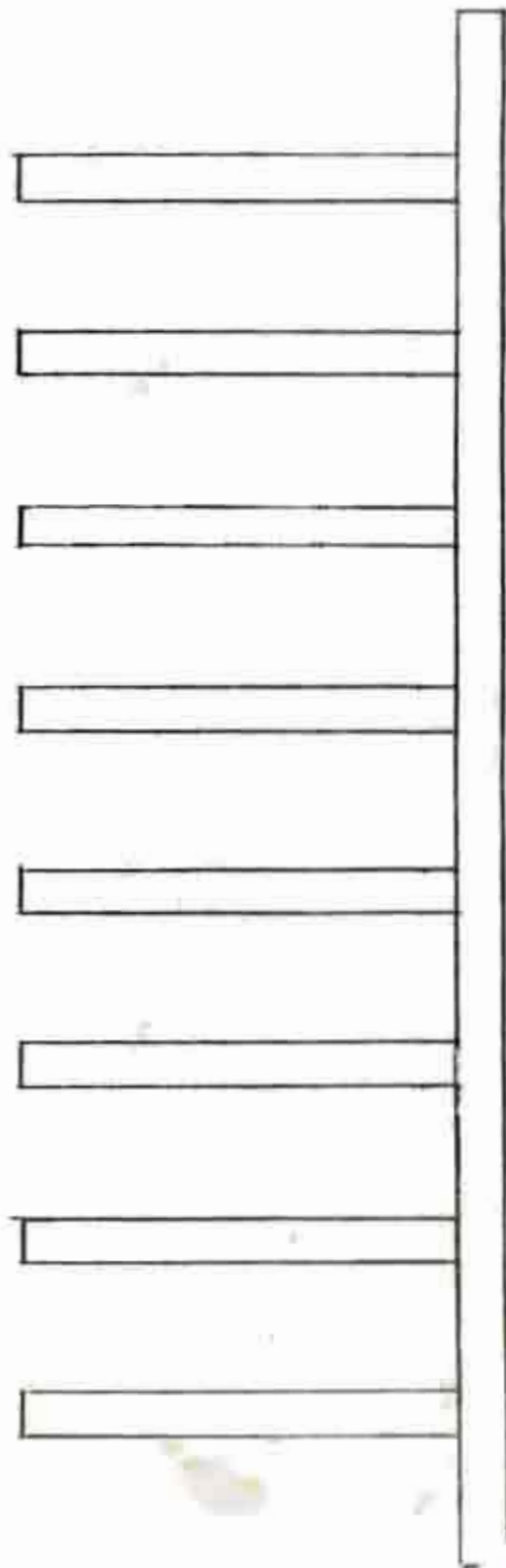


FIG. 22