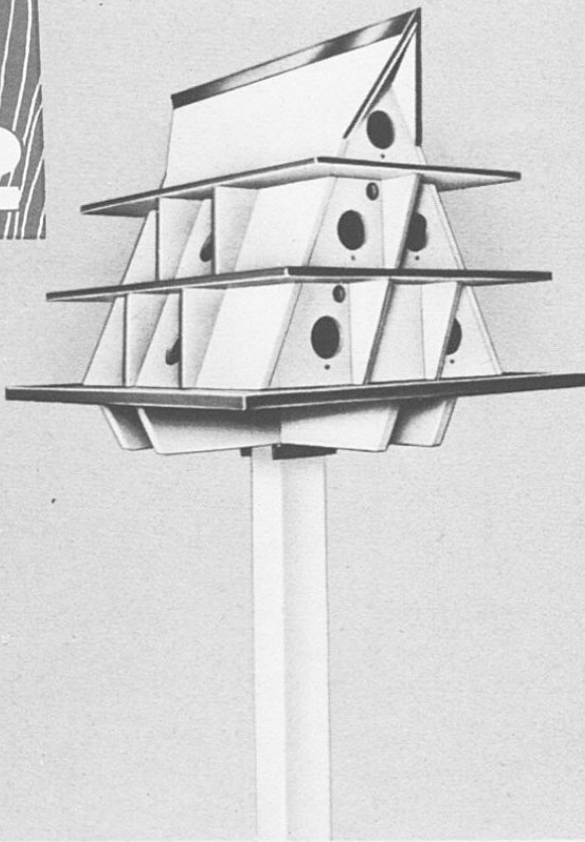


*Here is a set of
Project Plans
from*



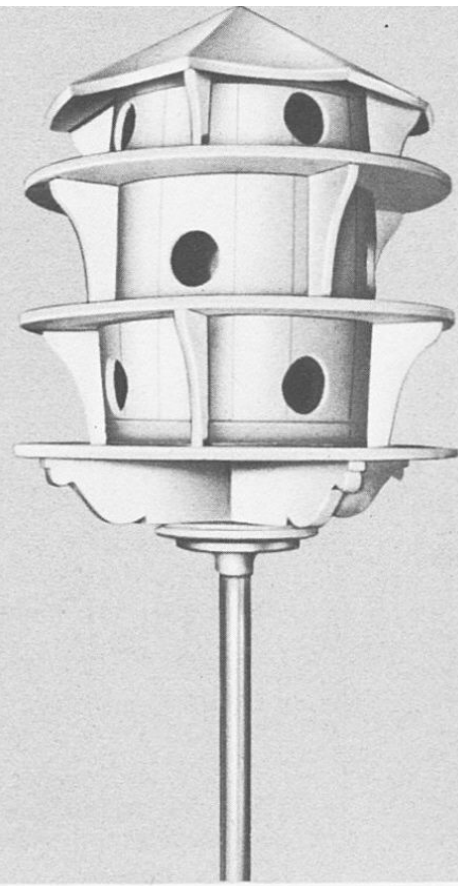
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(Photo No. 1)

STEEP GABLE DESIGN



(Photo No. 2)

NAIL KEG DESIGN

2 MARTIN HOUSE DESIGNS

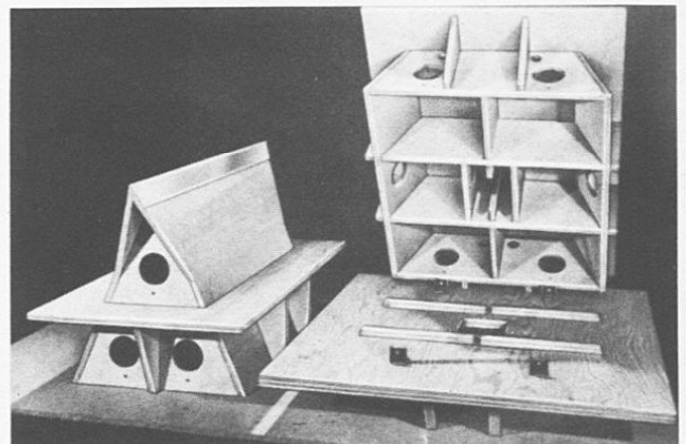
Plan now to build one of these martin houses to make your yard a haven for colorful martins this summer. Featured here are two types of martin house designs, one is a steep gable roof design, made in three sections and the other design is made from a standard nail keg. Either one will make a very interesting project that will add the charm of nature to your back yard.

A martin house is usually placed on a 4 x 4 pole about 14 to 20 feet high. It should be placed a few feet away from trees or buildings. A means for lowering the house should be provided for cleaning or storing for the winter months. If it cannot be stored, the entrance holes should be covered with building paper to keep out starlings or sparrows until the return of the martins the following year.

The entire gable design bird house is made of $\frac{1}{2}$ inch waterproof (exterior) pine plywood except for the base board which is $\frac{3}{4}$ inch thick. Cut all pieces to size as indicated on the drawing. The front and back ends are angle cut on the circular saw with the miter gage set at 67° . The division boards in the bottom and center sections are half lapped, see Fig. No. 1. To make the taper cuts on the side pieces (see drawing for widths), set the blade or arbor at 23° . Be sure to bore the entrance holes as well as the vent holes in the end and side piece before assembling the sections. The assembled sections are mounted one over the other and held together with #10-32 x

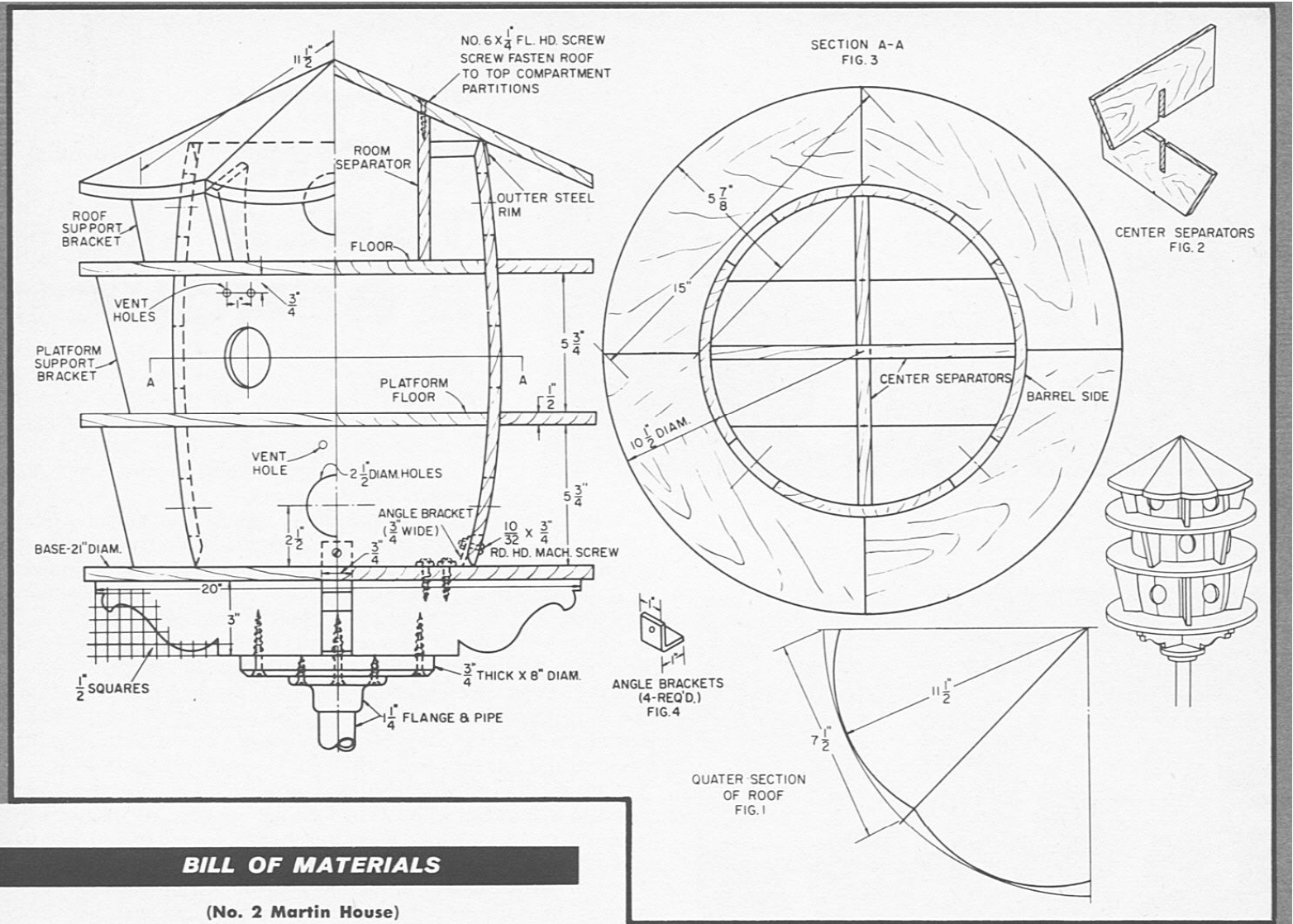
$\frac{3}{4}$ " flat head machine screws and 1 x 1 angle brackets (see Fig. No. 3 and Photo No. 3). The entire assembly rests on a support made of $\frac{3}{4}$ x 3 inch stock. This support is assembled with half lap joints and rests on 1 x 1 angle iron bolted to a 4 x 4 foot post, see Fig. Nos. 1 and 2.

Finish the project with a coat of wood preservative before applying two coats of white outside paint. Trim the platform edges, roof extension, platform supports, as well as the base supports with a green paint.



(Photo No. 3)

Here the top and center sections are shown removed from bottom section of the martin house. The bottom section is raised to show the angle brackets used for fastening the sections together. Note the narrow cleats nailed to the baseboard. These help hold the sections in place.



BILL OF MATERIALS

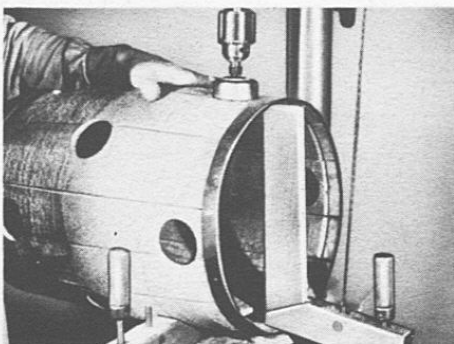
(No. 2 Martin House)

No. of Pieces	Name	Size
1	Wooden Nail Keg	
8	Platform Floor	$\frac{1}{2}$ x $5\frac{7}{8}$ x 15
1	Base Platform	$\frac{3}{4}$ x 21 x 21
8	Platform Support Brackets	$\frac{1}{2}$ x $3\frac{1}{2}$ x $5\frac{3}{4}$
4	Roof Support Brackets	$\frac{1}{2}$ x $3\frac{1}{2}$ x 5
2	Separator Pieces (Base Section)	$\frac{1}{2}$ x $5\frac{3}{4}$ x $12\frac{1}{8}$
2	Separator Pieces (Center Section)	$\frac{1}{2}$ x $5\frac{3}{4}$ x $12\frac{1}{4}$
2	Separator Pieces (Top Section)	$\frac{1}{2}$ x 7 x 12
4	Roof Boards	$\frac{1}{2}$ x $7\frac{1}{2}$ x $11\frac{1}{2}$
2	Base Support Crosspieces	$\frac{3}{4}$ x 3 x 20
1	Flange Support	$\frac{3}{4}$ x 8 x 8
4	Angle Brackets	1 x 1 x 1
8	Flat Head Machine Screws (Brass)	10-32 x $\frac{3}{4}$

No. 2 Martin House (12 Room)

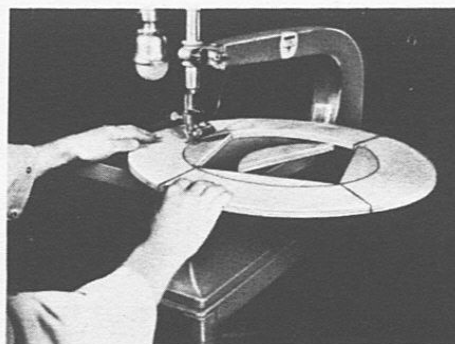
A conventional 100 pound nail keg is used for this unique and attractive martin house. Three platforms with supports, a few inside separator pieces and a hexagonal roof comprise the completed house.

All stock used is $\frac{1}{2}$ inch waterproof plywood except for the scrolled cross braces and turned wood flange support. Complete details are given in the drawing above. Apply a coat of wood preservative and two coats of outside white paint. Trim the edges with green paint.



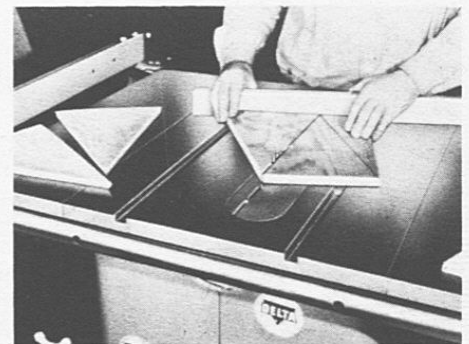
(Photo No. 1)

$2\frac{1}{2}$ inch entrance holes are made on the drill press with a barrel saw. Fasten keg to the drill press table with hand screws. The upright piece is used as an added brace while boring the



(Photo No. 2)

The two platform floors are made up in four sections, glued (with waterproof glue) and nailed together. The inside portion is then cut out on the scroll saw, (see section A-A) using a Delta



(Photo No. 3)

Plywood stock $\frac{1}{2}$ inch thick by $11\frac{1}{2}$ inches long is used to make the triangular sections of the roof. To make the compound angle cuts set the miter gage at $70\frac{1}{4}^\circ$ and tilt the blade at