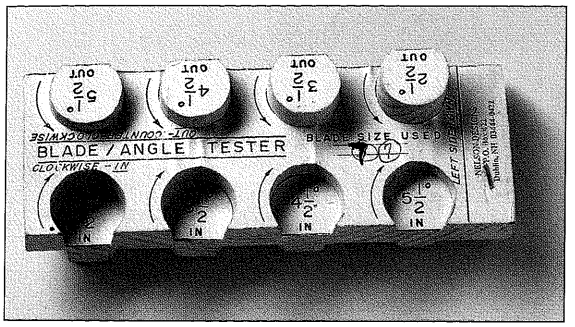
PRACTICE EXERCISE 14



Objective: **To study the basics of relief cutting and to make a Relief Cut Blade/Angle Tester for future reference.**

Materials needed:
(1) 3/4" x 4 1/2" - 7 1/4" long piece of pine
#5 skip tooth blade

Step 1 Make a copy of Practice Exercise 14 and attach it to a knot-free piece of pine or similar wood.

Step 2 Cut the wood in half along the dotted line

Step 3 Carefully, set the saw table at a 2 1/2 degree angle, *left side down*. (If you have a saw that doesn't tip to the left, tilt your table to the right, but cut in the *opposite* direction of the arrows on all projects.)

Step 4 Stand or sit directly *in front of* the saw. Relax and take a deep breath.

Step 5 Carefully, make one clockwise and one counter-clockwise cut at 2 1/2 degrees as indicated. Save the pieces. Make sure they are marked and kept in order for further use.

Step 6 Set your saw table at 3 1/2 degrees, *left side down.*

Step 7 Carefully, make one clockwise cut and one counter-clockwise cut at 3 1/2 degrees where indicated. Save the pieces. Mark them and keep them in order.

Step 8 Now, set your saw table at 4 1/2 degrees, *left side down.*

Step 9 Carefully, make one clockwise cut and one counter-clockwise cut at 4 1/2 degrees where indicated. Save the pieces. Mark them and keep them in order.

Step 10 Set your saw table at 5 1/2 degrees, *left side down.*

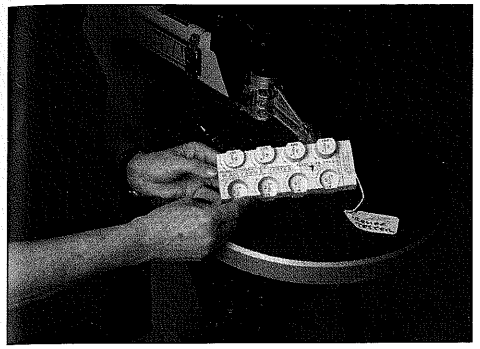
Step 11 Carefully, make one clockwise cut and one counter clockwise cut at 5 1/2 degrees where indicated. Save the pieces. Mark them and keep them in order.

Step 12 Re-position all of the pieces and push or pull them until they are snug. You will find the 2 1/2 degree pieces *almost* come through. The 5 1/2 degree pieces project in or out very little.

Step 13 From the back, glue the eight cut-out pieces in place.

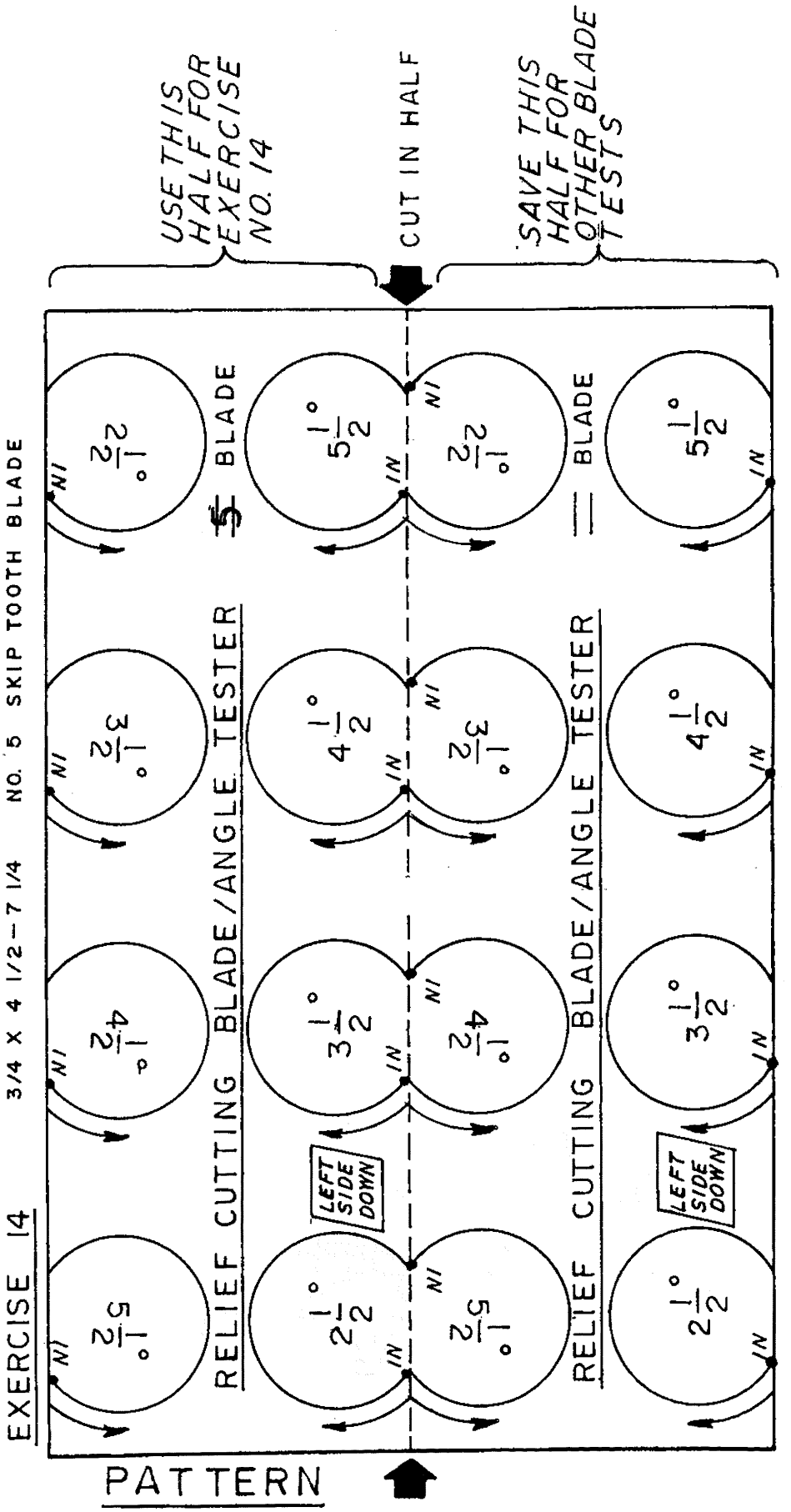
Step 14 Keep this tester handy for various relief cutting projects.

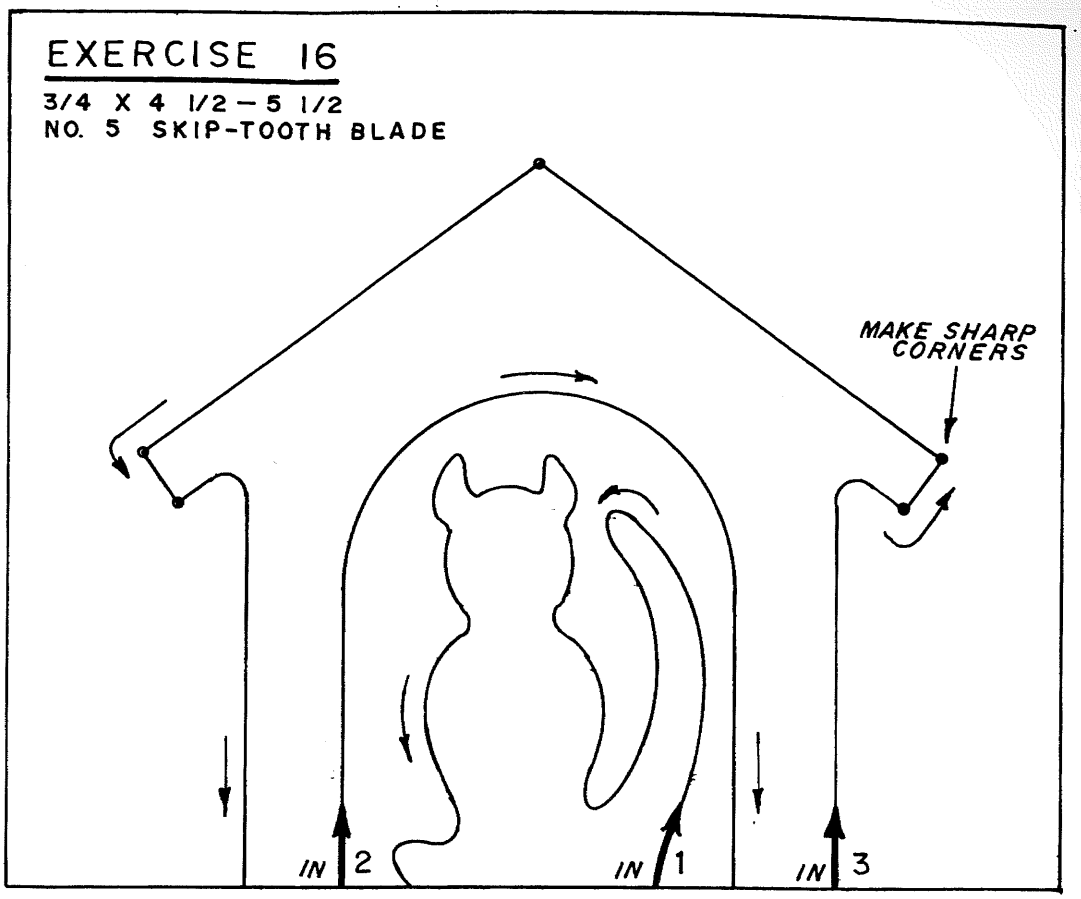
Step 15 Keep the other side to make a tester using another size of blade.



NOTE: With the table top left side down, pieces cut in a clockwise direction at various angles will go in away from you. If you cut in a counter-clockwise direction at various angles, the pieces will come out toward you.

NOTE: This is your Relief Cut Blade/Angle Tester. Keep it handy for future reference. It will show you what happens if you use 3/4"-thick wood cut at 2 1/2, 3 1/2, 4 1/2 or 5 1/2 degrees in a clockwise or counter-clockwise direction using a #5 blade. If any one of the three variables change, you will get different results. If you are doing a project with a different thickness and a different saw blade number, make a new Tester and note on it the size of the blade you used.




EXERCISE 16
3/4 X 4 1/2 – 5 1/2
NO. 5 SKIP-TOOTH BLADE
MAKE SHARP CORNERS
IN 2
IN 1
IN 3

PATTERN