

Tip #77 How To Make A Tapering Jig

Description:

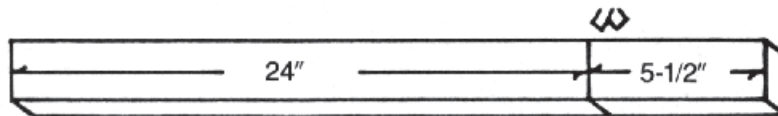
This jig consists of two pieces of stock fastened together at one end with a hinge and adjustable at the other end various widths.

Use:

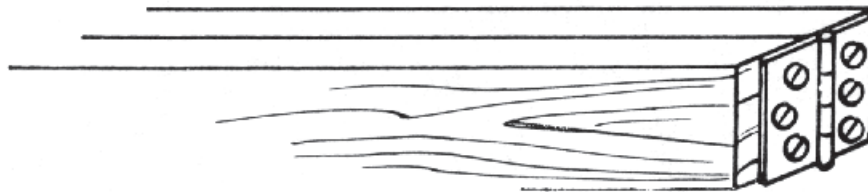
To assist the operator in making tapered cuts on long pieces of stock. If carefully made it will be useful to you for a long time and help you get more pleasure and production from your shop.

Operations:

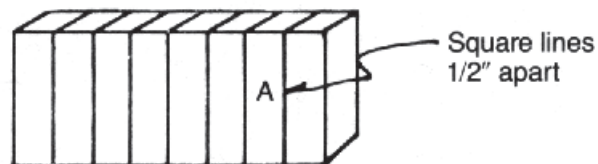
1. Prepare 2 pieces of stock $3/4"$ x $2-1/2"$ x $29-5/8"$.
2. Cut one piece $24"$ long. Save the small piece also.



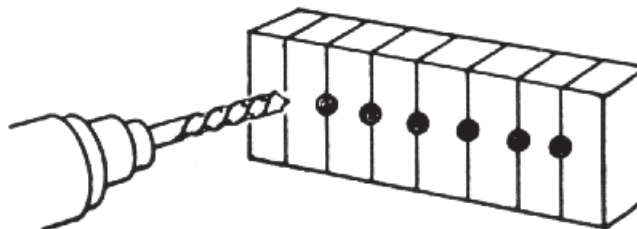
3. Fasten the ends of the two long pieces together with a 2" by 3" butt hinge.



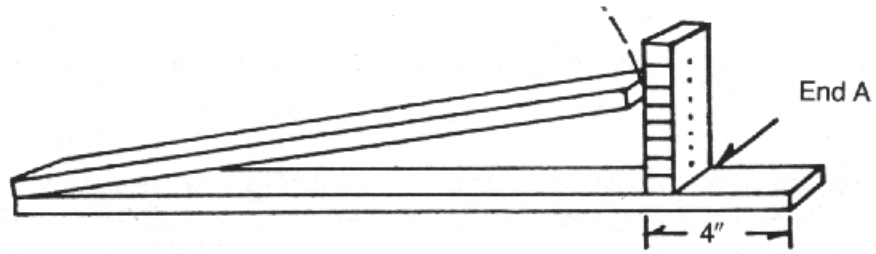
4. On one edge and one side of the 5-1/2" piece square pencil lines $1/2"$ apart starting at end A.



5. Locate center of each squared line on the marked side and drill through holes having diameters of a 6 penny common nail. ($1/16"$ or $3/32"$).



6. Screw the end of the 5-1/2" piece perpendicular to the side of the end of the 24" pieces with end A against 24" piece.



Note: Since hole spacing is 1/2" and adjustable leg of jig is 24" in length, the amount of taper per foot of cut can be readily set. Each hole represents a taper of 1/4" per foot. Example: Set nail or screw in 4th hole away from 29-1/2" leg of jig for a taper of 1" per foot. Set 24" leg against nail and fasten into end of 24" through 5th hole using nail or screw.

