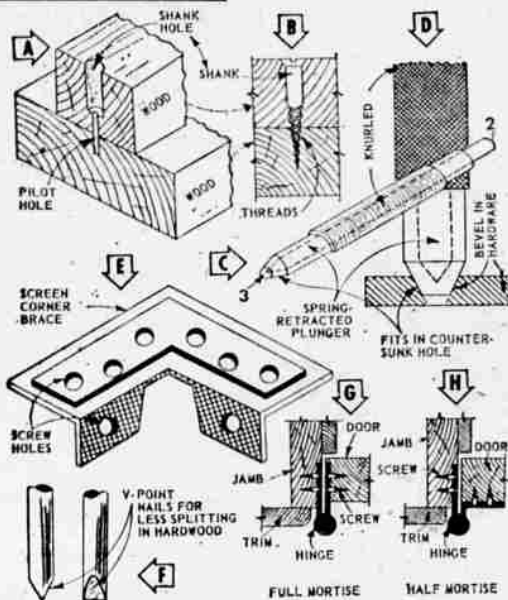


DO-IT-YOURSELF



# Avoid Splitting Wood By Using Pilot Holes

By J. RALPH DALZELL

Always drill the shank and pilot holes when screwing two pieces of wood together and when metal is screwed to wood. This is especially important when large screws are used and the wood is hard. (See picture A.)

Picture B shows a screw turned into place. The shank hole should be almost as deep as the shank (not threaded part) as the screw is long. The pilot hole should be

almost as deep as the threaded portion of the screw. Both shank and pilot holes should be a little less in diameter than the diameters of the shank and threaded parts of screws in soft woods. For example, for a No. 5 flat head wood screw shown in picture B, the shank hole should be seven sixty-fourths of an inch in diameter. The pilot hole should be one-sixteenth inch in diameter in soft wood. The hole should be five sixty-fourths of an inch in diameter in hardwoods. A good rule is to select drills which are a little smaller than the shanks and threaded parts of screws.

## Trading Slow For Alfalfa

The market for alfalfa ruled mixed with trading generally slower at the principal points during the week ended May 26. Pacific Northwestern markets were unsettled in an adjustment to a new crop basis with the harvest of first cuttings under way in several sections. Only limited trading was reported in new crop alfalfa in the Northwest with prices covering a rather wide range. Rain showers in Western Oregon and Washington at the close of the week stopped movement to coast markets but were very beneficial to pastures and crops.

Dairy and other livestock feeders purchased individual truck loads for immediate feeding purposes but generally waited for larger offerings and better cured supplies before making any important purchases.

## Crop Dusting May Be Harmful

By THE ASSOCIATED PRESS

Crop dusting may be harmful in the end to those who do the work, a U.S. Public Health Service official said Thursday, but chance exposure holds no great danger.

Wayland J. Hayes Jr., told the Air Pollution Control Assn. that this country now uses more than 500 million pounds of pesticides a year—a potential danger in the air people breathe.

"Occupational exposure to the more toxic pesticides has been the cause of clinical and even fatal poisoning, although this is infrequent," he said.

"Studies indicate that crop dusting, even with the more poisonous compounds, does not present a measurable hazard to persons who are exposed incidentally. Economic poisons are applied purposely and they differ in this way from ordinary air pollutants, released more or less accidentally."

A spring actuated plunger, shown in picture C, is very helpful when marking the required positions for shank and pilot holes on the wood when countersunk hardware is to be fastened to it. Place the beveled end of the tool, see picture D, in the hardware bevel. Hold the tool in vertical position. Then tap the plunger top, 2, with a hammer. This will drive point 3 of the plunger into the wood under the hardware and make a mark. The point of the drill can be placed in the mark when drilling shank holes. These tools are available at hardware stores.

When wood frame windows screens have been used for many years the corners of the frames often become loose or battered. The screens do not fit properly or difficulty may be encountered in raising and lowering them, if they are held in position by guides attached to the window frames. Strengthen the corners and make the frame perfectly square with steel corner braces as shown in picture E. Use three-fourth-inch flat head wood screws to fasten the braces to the woodwork of the screens. Frames are generally made of soft wood and, for such small screws, shank and pilot holes are not actually necessary. If pressure is applied to the screwdriver, the screws can be easily turned into place.

To make old and battered wood frame screens last through the summer, strengthen the corners with tin from tin cans. Cut the tin so that its shape is similar to the shape of the brace shown in picture E. Use a carpenter's square to make sure that the corners of the frame are square. Then fasten the pieces of tin with large tacks. Paint the tin to match the color of the frame. This is a makeshift method of repair but it is satisfactory for a few months.

Pictures G and H show how full and half mortised hinges can be attached to doors and the jambs around the door openings. The full mortise variety is most generally used for doors in houses and apart-

## Questions and Answers

By ANDREW C. LANG

**Question:** In converting an ordinary door into a Dutch door, where do I make the cut to divide it into 2 pieces—exactly at the center?

**Answer:** The door should be sawed at a point about three inches higher than the doorknob . . . so that, when the cut is completed, the doorknob remains on the lower part.

**Question:** We never had any trouble with the shower in our house until recently. Now, when a cold water faucet is turned on in some other part of the house, the water coming from the shower suddenly gets very hot. What is causing this?

**Answer:** I assume this occurs when both the hot and cold water shower handles are turned on. Then, when another cold water faucet is being used, the flow of cold water to the shower is reduced. If this condition had existed all along, it might be caused by the fact that the piping used for the cold water was too small. But since it was all right until recently, it is likely that corrosion or scaling has formed somewhere inside the cold water piping system, bringing about the same effect as inadequately-sized piping. Looks as though you'll have to call in a plumber, because only an on-the-spot examination by a professional can accurately determine the cause of the trouble.

**Question:** I plan to paint the inside masonry walls of our garage with rubber-base paint. I have used a spray gun successfully in the past, but never with this kind of paint. Will it work?

**Answer:** Rubber-base paint is a bit too heavy for most kinds of home-type spray guns, although it can be used in one of the heavier professional-type guns. However, if you wish to take a crack at it, ask your dealer for the special thinner for rubber-base paints. Use about one pint of it to every gallon of paint. If the paint is used as is, it probably will clog the gun. No matter which method you use, be absolutely certain that the masonry is completely dry before painting it with rubber-base paint.

**Q.—Should varnish be mixed or otherwise stirred prior to use?**

**A.—No, never!** Stirring the varnish or even shaking the can might cause bubbles that could remain in the varnish film, and ruin the appearance of the varnished surface.

**Q.—Is it possible, as we have heard, to make the interior of a house look larger simply by the color of paint used?**

**A.—Yes.** Write to National Paint, Varnish and Lacquer Association, 1500 Rhode Island Ave., N. W., Washington 5, D.C., and ask for their free booklet entitled: "How To Make A Small House Seem Large."

**Q.—What is the most popular shade of paint for house interiors?**

**A.—Many** home interiors are painted with one of the soft, muted shades of green. A grayish green is often used. Pale green that looks turquoise in some light is very popular. Green is becoming to most complexes, and is a fitting background for most furniture and hangings.

## Oregon Ranks 13th In Sheep Output

Oregon ranked 13th in the country last year in live weight of farm production of sheep, 27th in cattle and calves and 30th in hogs. Oregon produced 51 million pounds of sheep and lambs — 3.3 per cent of the total U.S. production of 1,525 million pounds.

Nearly 1 1/2 per cent of the total U.S. poundage in cattle and calves was Oregon stock, with 377 million pounds live weight produced in this state.

In hog production Oregon had a total of 49 million pounds live weight. This was 0.3 per cent of the total U.S. production of 18,617 million pounds.

These figures came to the state Department of Agriculture in a bulletin issued by the USDA's Agricultural Marketing Service.

## Tule Homesteader Recalls Earlier Days Within The Basin

Editor's Note — John O'Shea, one of the early homesteaders of Tulelake, is one of those who stayed with his farm through hardships and bad years. His poem refers to Earl Ager who owned and operated a grocery in Tulelake for many years and who gave credit for food and other supplies to the ranchers until crops matured in the fall. The banker, "Uncle Bill," is W. G. Hagelstein, co-owner-president of the Butte Valley State Bank, Dorris. Hagelstein has played an important part in the development of the Tulelake reclamation project. He is currently a vice president of First Western Banks with 97 branch banks in California, still is at Dorris.

To work, and save, was all I gave As assets to the bank. He searched around and a paper found, I watched him while he wrote. When he was through, I signed it too, He had made me out a note.

I headed home, around old Mt. Dome With my rifle on the seat, I dodged the rocks, to avoid the shocks, And watched the brush for meat.

I had a start to cheer my heart In spite of wind or frost, With spuds and grain we made a gain, And saved more than we lost.

Gold is found upon the ground, Where e'er your rainbow ends, I know that mine turned out just fine, With health and wealth and friends.

Their names were drawn and they left at dawn A home they hoped to make, To take a chance; and build a ranch On the bed of Tule Lake.

The sky was pale, the wind a gale, The sand sure stung their hide. Should we stay and fall, or hit the trail, With a tumble-weed for a guide?

But food and gas were low, alas, Our tent we must unroll, At Horton's spread, I earned my bread The rest I got from Earl.

His store was down in Tule-town, He seldom used the till. He would credit give, so one could live And he banked with Uncle Bill.

I had a need for feed and seed So I headed over the hill. And at the bank in a chair I sank And told my tale to Bill.

Things looked fine, where I had to sign, But the "Net Worth" space was blank.

## Arabian Horses Will Be Shown

SALEM — Featured entertainment during the 12th annual All-Arabian Horse Show here June 21 and 22 will be exhibitions in the art of dressage by Ward W. Wells of Oswego and his golden Palomino stallion, Sharik's Sun.

Described as the highest test of ability among schooled horses, dressage exhibitions by Wells and his golden stallion have been highlights of western horse shows from Vancouver, B.C. to Los Angeles. During the past year the famed horse and its trainer-rider have been featured twice on network television.

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