CLEARANCE HOLES

Sometimes a clearance hole, in addition to a pilot hole should be drilled in order to do a workmanlike job. For example, when fastening a metal bracket to wood or when screwing two pieces of wood together, a clearance hole equal to the diameter of the crew body or shank is necessary. Without the clearance hole, the body or the threads of the screw will hang up on the metal, or the leading piece of wood, preventing them from being drawn together tightly. See Fig. 6.

FIG. 5. Screws are available in many lengths. However, the number by which a screw is designated, such as No. 10, always refers to its shank diameter. This drawing shows actual size screws and their corresponding number.

FIG. 6. A clearance hole is necessary when screwing two pieces of wood together.

FIG. 7. Call is using the right technique in driving this screw home. The blade of the screwdriver is a snug fit in the slot of the screw and does not quite project to the edge.