

WARNING: Do not connect the machine to the power source until you have read and understood this entire instruction manual.

2. Place the machine on a firm, level surface where there is plenty of room for handling and properly supporting the workpiece.
3. Familiarize yourself with all features and controls as explained in this manual.
4. The machine is shipped with the cutting head (A) Fig. 4, held in the down position by the hold-down chain (B). Press down on the tool handle to lower the cutting head. Unhook the hold-down chain from the hook (located just below the tool handle).
5. Slowly release pressure on the tool handle, allowing the cutting head to move to the UP position, as shown in Fig. 5.

OPERATING INSTRUCTIONS

FOREWORD

Porter-Cable Model 1410 is a 14", "Dry-Cut", Metal Cutting Saw designed to cut ferrous metals. Cutting capacities (at 90°) are: 5 1/8" Dia. round stock, 4 3/4" x 4 3/4" square stock, and 3 3/4" x 7" rectangular stock (see following chart), using a 14" (355mm) diameter by 3/16" (4.5mm) maximum thickness blade with a 1" (25.4mm) diameter mounting hole. The saw is equipped with an adjustable fence that can be set for angle cuts between 45° and 90°.

CUTTING CAPACITIES						
Workpiece Configuration (Cross-Section)	AT 45 DEGREES			AT 90 DEGREES		
						
Maximum Cutting Capacity	4" (100mm)	3 1/2" x 3 1/2" (90mm x 90mm)	3 1/2" x 4" (90mm x 100mm)	5 1/8" (130mm)	4 1/2" x 4 1/2" (115mm x 115mm)	3 3/4" x 7" (95mm x 180mm)

TO START AND STOP MACHINE

CAUTION: Make sure power circuit voltage is the same as shown on the specification plate of the machine and that switch is OFF before connecting to power circuit.

1. Squeeze trigger switch (A) Fig. 6, to start motor. Release trigger switch to stop motor.
2. A lock button (B) Fig. 6, is provided to lock the switch in the ON position.

TO LOCK the switch ON, squeeze the trigger as far as it will go, push in the lock button and release trigger.
TO UNLOCK the lock button, squeeze trigger allowing lock button to spring out, and release trigger.

SWITCH LOCKOUT

A lock hole through the trigger switch is provided for a padlock (C), Fig. 7, with a 1 1/4" shackle. A padlock can be placed through this hole and locked to prevent unauthorized use of the machine. We recommend that a lock be installed whenever the machine is not in use.

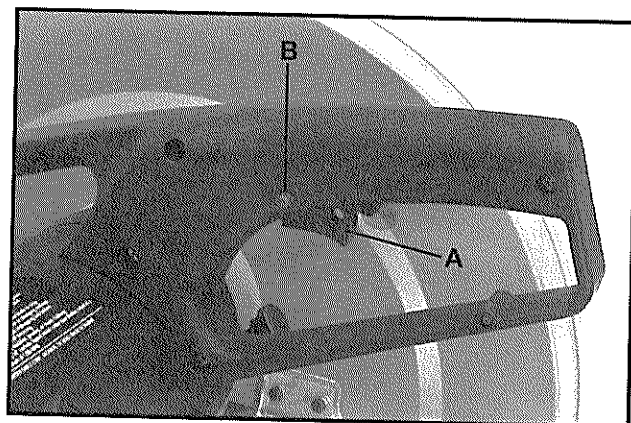


Fig. 6

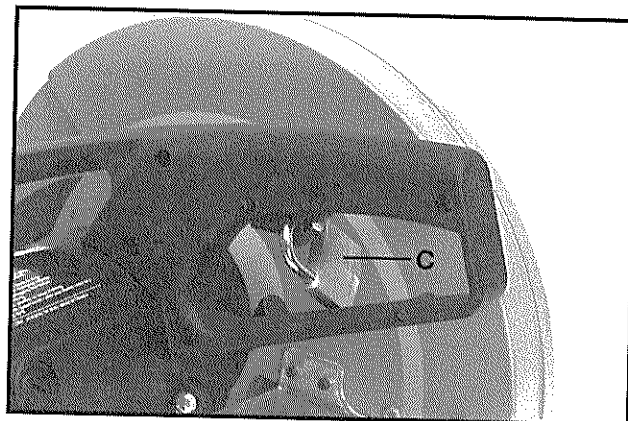


Fig. 7

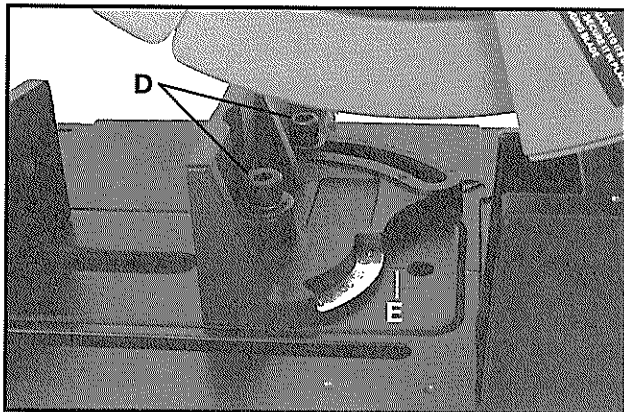


Fig. 8

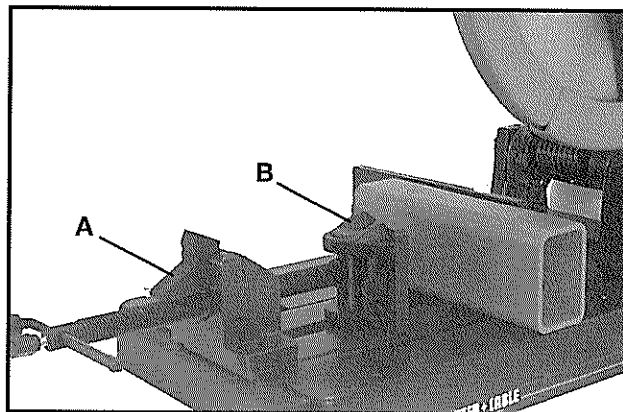


Fig. 9

WORK VISE

A work vise is provided to securely clamp the workpiece to the saw base. The stationary jaw can be adjusted for angled cuts of from 0° to 45° right. The stationary jaw (of the vise) can also be moved rearward to accommodate larger workpieces.

To adjust the angle of the stationary jaw, use the 8mm hex wrench (provided) to loosen the two clamp bolts (D) Fig. 8, rotate the stationary jaw until the desired angle indicator is aligned with the index mark (E) Fig. 8, then retighten the two clamp bolts securely.

To change position of the stationary jaw, use the 8mm hex wrench (provided) to remove the two clamp bolts (D) Fig. 8, reposition the stationary jaw to the other pair of mounting holes, reinstall the two clamp bolts and tighten securely.

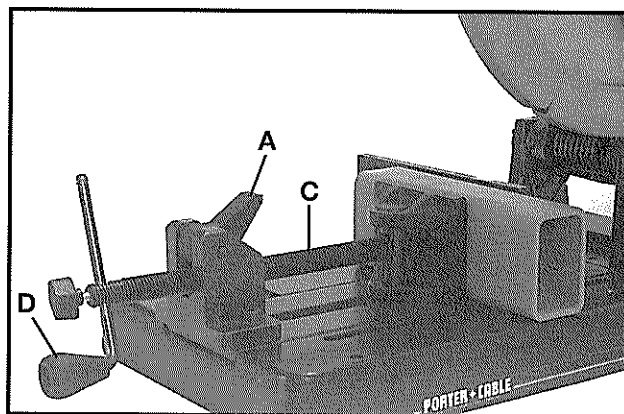


Fig. 9A

CLAMP WORKPIECE

WARNING: Secure workpiece properly. Work should be straight and firmly clamped to avoid possible movement and pinching as the cut nears completion.

Provide adequate support to the sides of the saw table for long workpiece.

Never cut anything freehand.

Never reach behind or beneath the blade.

Make sure the blade has come to a complete stop before removing or securing workpiece, or changing workpiece angle.

Move clamp locknut (A) Fig. 9 to the rear. Slide rear vise jaw (B) Fig. 9, to the rear enough to permit workpiece to be placed between vise jaws. Position workpiece into work vise (see Figs. 10 thru 15 for recommended

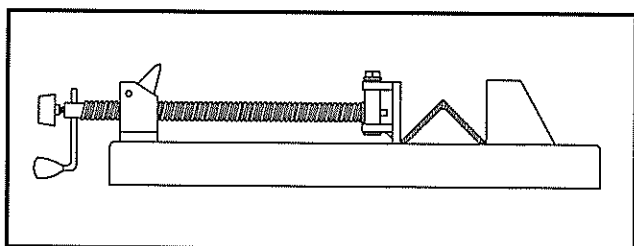


Fig. 10

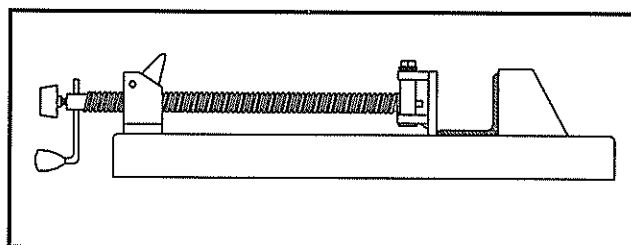


Fig. 11

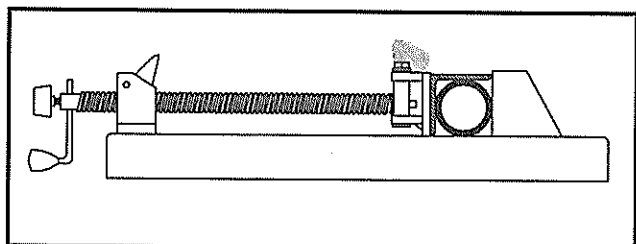


Fig. 12

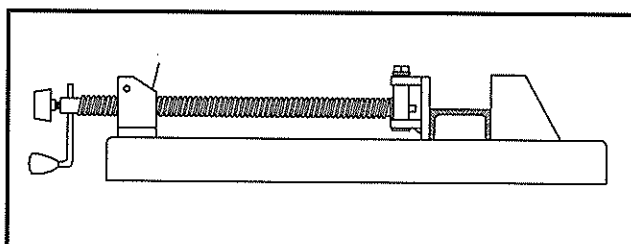


Fig. 13