

# WORKMATE®

PORTABLE WORK CENTER & VISE  
Clampdown 35" Model No. 79-035

Strength, portability and versatility limited only by your imagination combine to make your new WORKMATE® Portable Work Center & Vise-Clampdown 35" Model No. 79-035 an invaluable addition to your home workshop. This manual presents just a few of the suggested uses for your unit. Take a few minutes to familiarize yourself with the safety precautions and then put your WORKMATE® to work. Don't forget to send in your registration card. THANKS FOR BUYING BLACK & DECKER!

OWNER'S MANUAL

## **SAFETY RULES**

1. Do not load the WORKMATE® with more than 750 pounds.
2. Do not apply an unbalanced load which could cause the WORKMATE® to tip over.
3. Do not use the WORKMATE® as a stepladder or standing platform.
4. Avoid applying excessive force when clamping vise jaws. Do not clamp horizontally against the centerboard, only clamp horizontally between vise jaws.
5. Be sure work is securely clamped in WORKMATE® jaws. Keep Pivot Knobs tight, except when adjusting tilt angle.
6. Do not store the WORKMATE® outdoors or in damp areas. Store with unit securely restrained against a wall or post, to avoid accidental falls.
7. When using the WORKMATE® with the jaw tilted, be sure that Pivot Knobs fit securely in one of the three available detented positions.
8. **WHEN USING THE WORKMATE® WITH POWER TOOLS:**
  - a) Use only the methods described in this manual for mounting power tools. Never mount power tools directly in the vise jaws; pressure may damage tool.
  - b) Wear safety glasses or other eye protection when using power tools.
  - c) Follow safety rules in the power tool's owners manual.

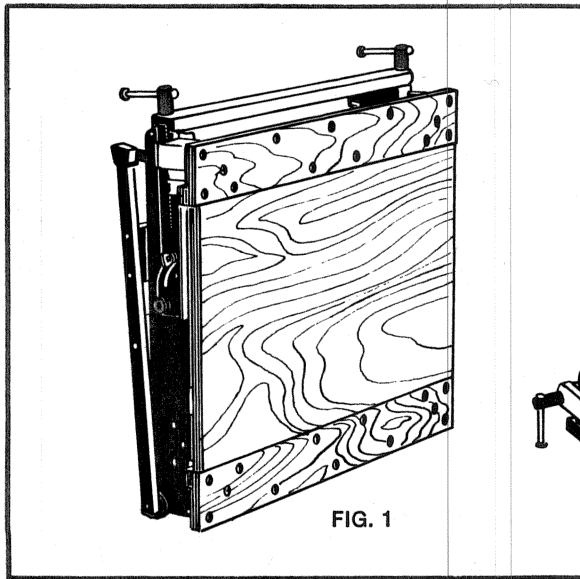


FIG. 1

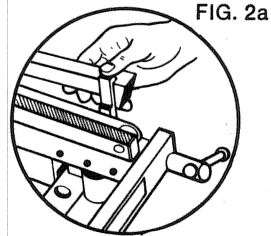


FIG. 2a

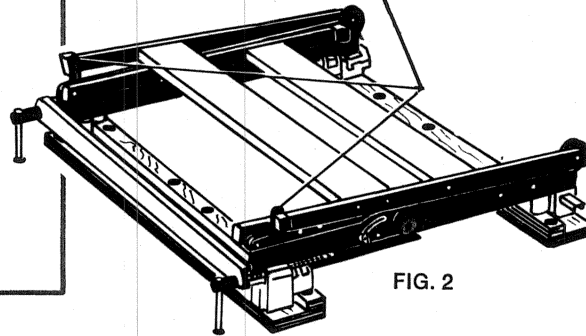


FIG. 2

## SIMPLE TO ERECT

Take the unit out of the carton, ensuring that the centerboard is clamped securely between the two vise jaws. (See Fig. 1) If centerboard is loose, it could fall and cause damage. Loosen the vise jaws, remove the centerboard and set the centerboard aside. Set unit flat on the floor. (Fig. 2) Release the two retaining catches (Fig. 2a) and open the first pair of legs. With the legs in vertical position (Fig. 3) lock the metal struts as shown. (Fig. 3a) Open the second pair of legs in the same manner.

Before placing in the upright position, be sure that all the metal struts are securely locked. (Fig. 4) CAUTION: WHEN STANDING THE WORKMATE UPRIGHT, ROLL IT SIDEWAYS SO THAT THE WEIGHT IS DISTRIBUTED ACROSS BOTH SETS OF LEGS. DO NOT ROLL IT FORWARD OR BACKWARD AS THIS WOULD PUT THE WEIGHT ON ONLY ONE SET OF LEGS.

Place the centerboard across the lower leg supports for storage until needed. This makes a handy bottom shelf. Be sure that the plastic guides on the bottom of the centerboard fit inside the leg supports as shown in the diagram. (Fig. 5 and Fig. 5a).

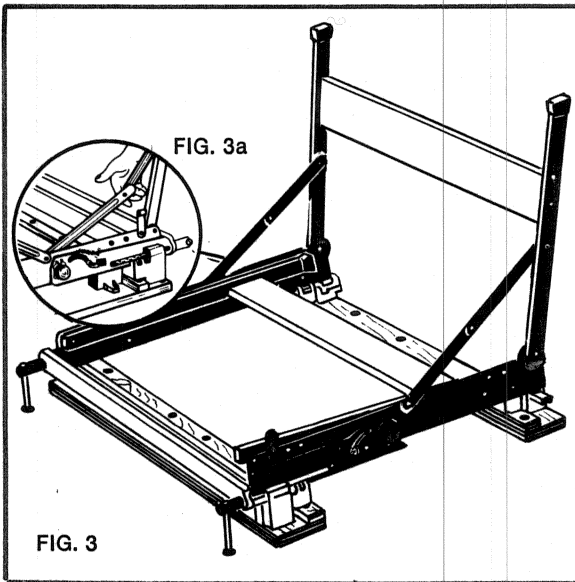


FIG. 3

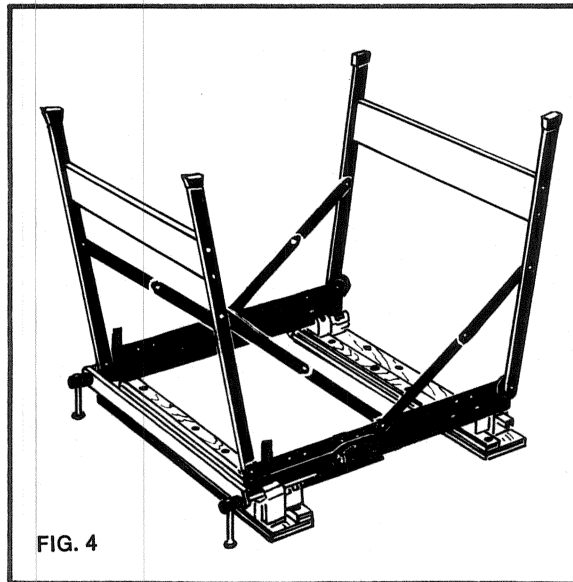


FIG. 4

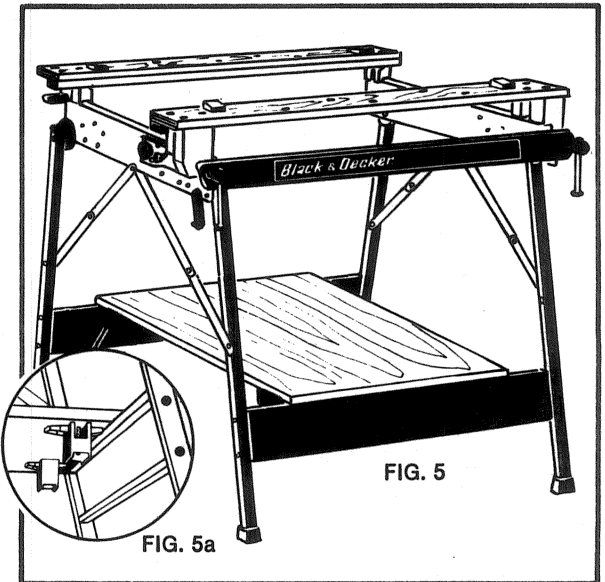
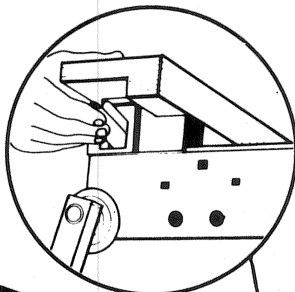


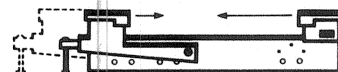
FIG. 5

FIG. 5a

FIG. 6b



### COMPLETE VISE



With the centerboard across the lower leg supports, the WORKMATE® is a giant vise. The jaws can be quickly adjusted into a variety of clamping positions, providing the perfect vise for most shapes and sizes of work. (Fig. 6)

The front pivot jaw operates on screw threads which are adjusted by two vise jaw handles. (Fig. 6a) Each handle operates independently so that the jaw can be angled when required. The rear vise jaw operates on a snap-lock mechanism. To release the rear vise jaw, lift the locking levers located on the outer sides of the top rail guides. (Fig. 6b) Move the jaw to the desired location and push the locking levers down. The locking pins in the rail guide will lock into the parallel holes in the top rail. CAUTION: NEVER ATTEMPT TO CLAMP AGAINST THE REAR VISE JAW UNLESS IT IS LOCKED INTO THESE HOLES. The vise jaws hold objects easily (Fig. 7), allow wood to be held for sawing (Fig. 8) and grip tapered shapes easily. (Fig. 9)

FIG. 6

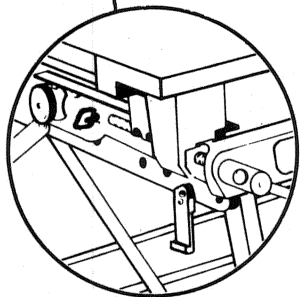
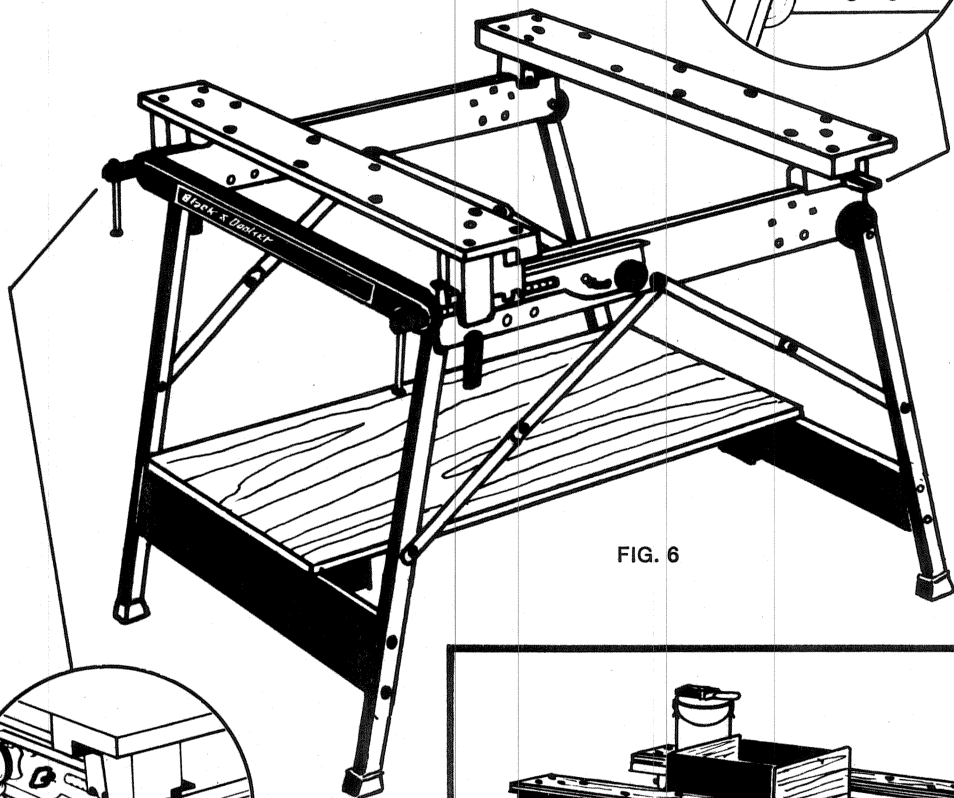


FIG. 6a

FIG. 7

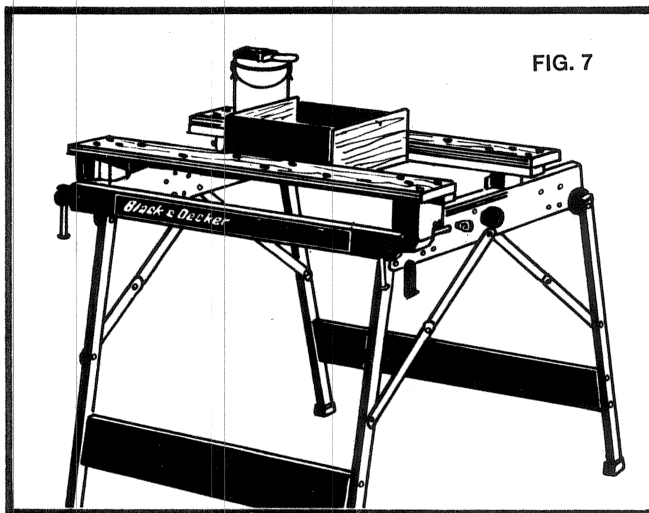
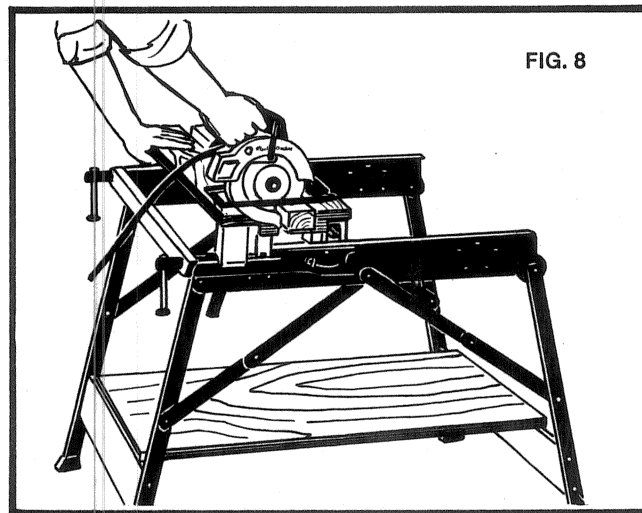


FIG. 8



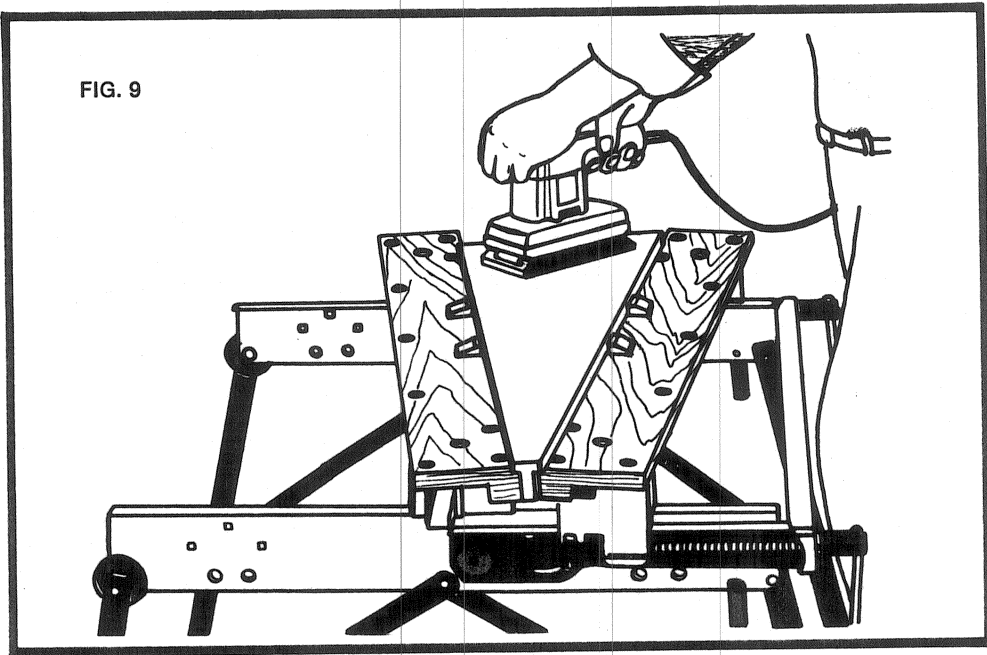


FIG. 9

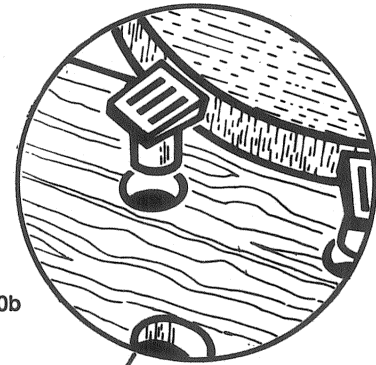


FIG. 10b

For clamping odd or irregular shapes, "V" grooved protector grips (Fig. 10a) and swivel pegs (Fig. 10b) have been provided. Used in combination with the adjustable vise jaws, they make securely clamping most shapes easy. (Fig. 10)

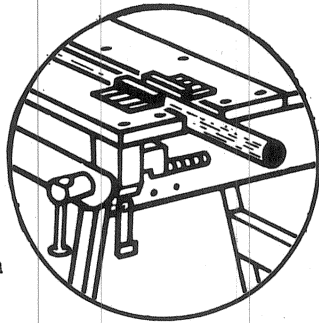


FIG. 10a

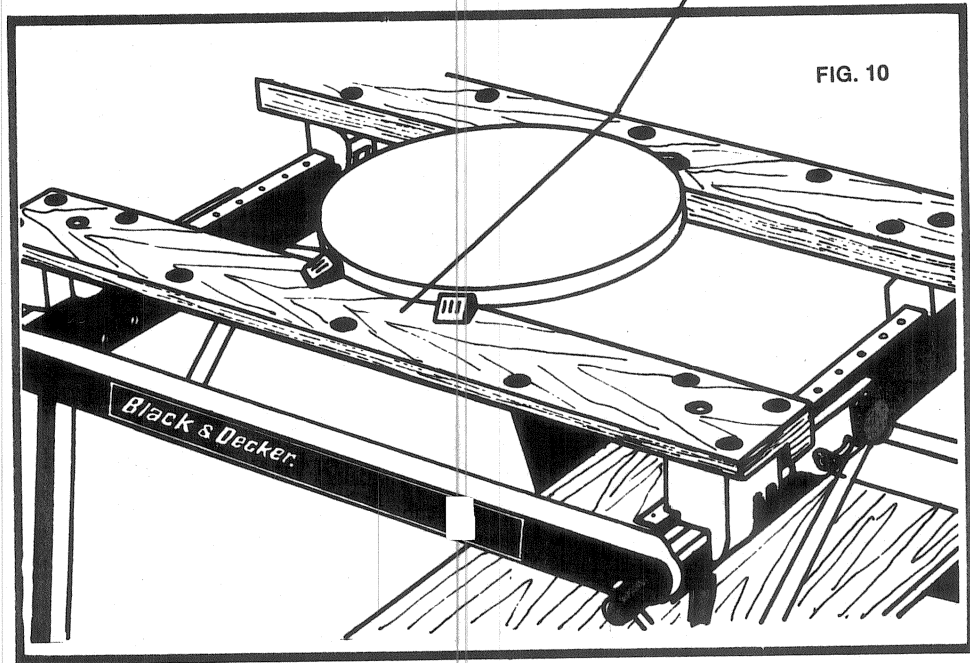
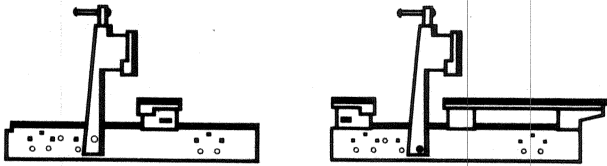


FIG. 10

## GIANT CLAMPING PRESS

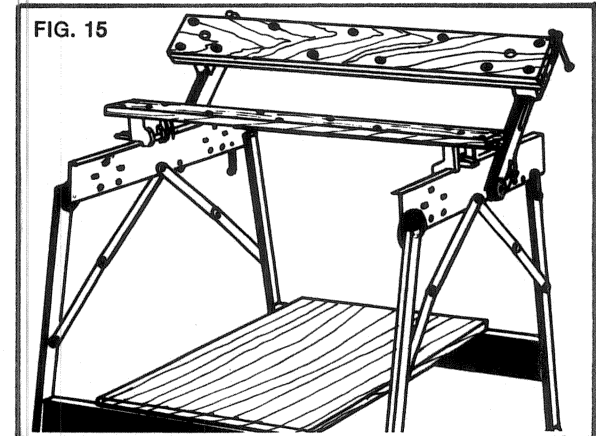
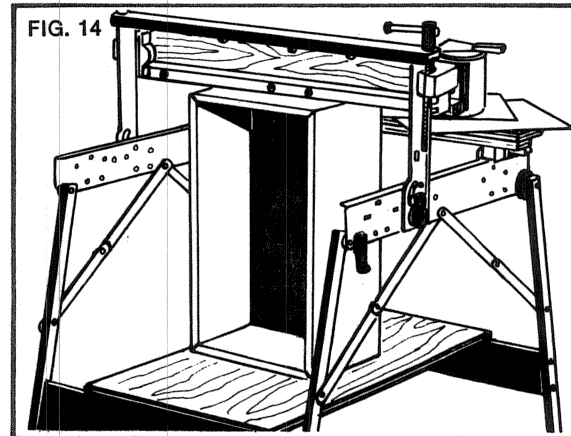
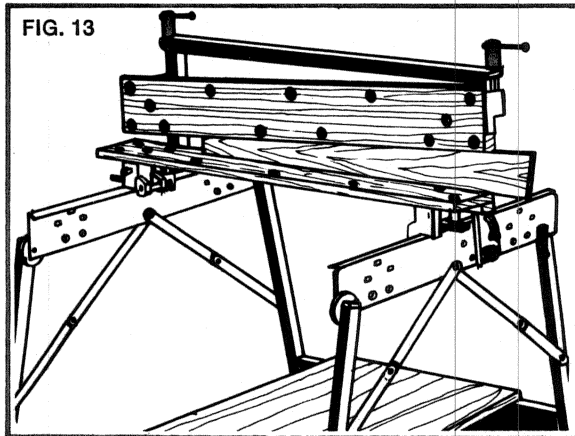
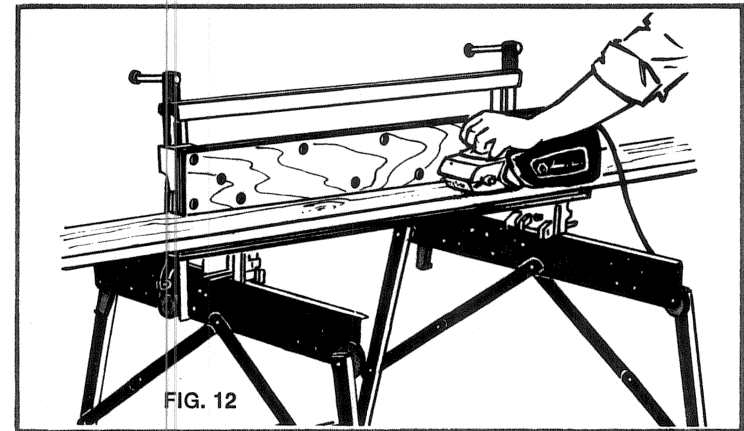
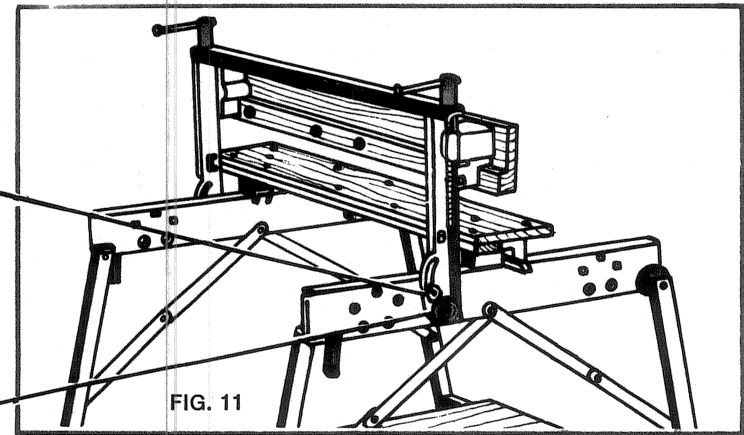
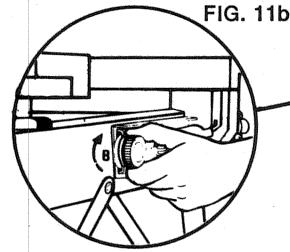
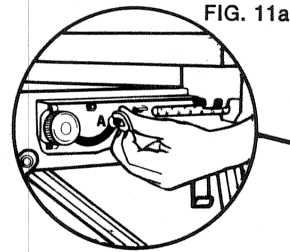


To convert the unit into a giant clamping press, loosen the wing nut (Fig. 11a) and turn the pivot knob (Fig. 11b) 45° on both sides of the unit. The front pivoting jaw is now free to reposition. Lift the front vise jaw into a 90° position. Holding it in place, relock pivot knobs through the frame by turning the knobs 45°. (Fig. 11b) Make sure that both pins have locked in the correct holes on the side of the bench frame. Tighten the wing nuts.

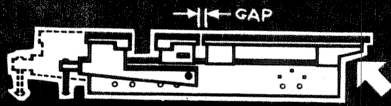
Long pieces of wood can be held firmly. (Fig. 12) Wedge shapes can be clamped vertically (Fig. 13) Large objects can be held securely at a convenient level or clamped while repairing. (Fig. 14)

### 45° CLAMPING PRESS

Repeating the operations shown for 90° positioning but releasing the pins of the pivot knobs at 45° gives a 45° angle clamping press. (Fig. 15)



## PERFECT WORKBENCH



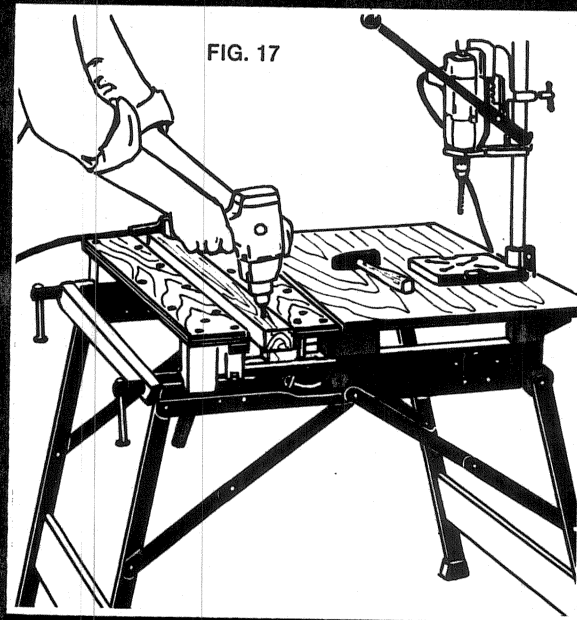
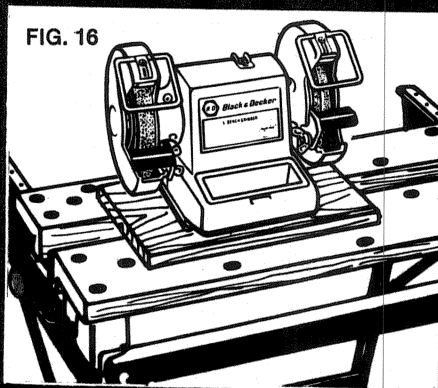
To use the workbench top, mount the centerboard on the top rails of the Workmate® behind the 2 vise jaws. Make sure that the pins in the bottom of the centerboard rail guides lock into the holes in the Workmate® top rails. When correctly positioned, a slight gap remains between the centerboard and the rear vise jaw.

**NOTE:** The angle shaped rail guides of the centerboard should rest on the rear of the top rails. (See Arrow).

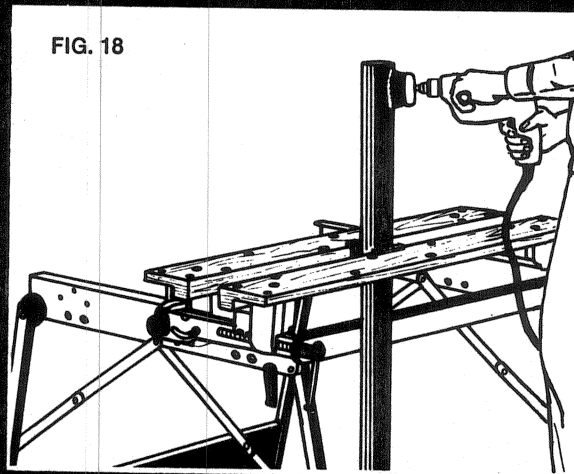
**CAUTION:** Never attempt to clamp horizontally against the centerboard for any reason. Clamp only between the two vise jaws.

Construct individual mounting boards for stationary power tools, which can be moved on or off the Workmate® as required. Add power tools you thought you never had room for. (Fig. 16)

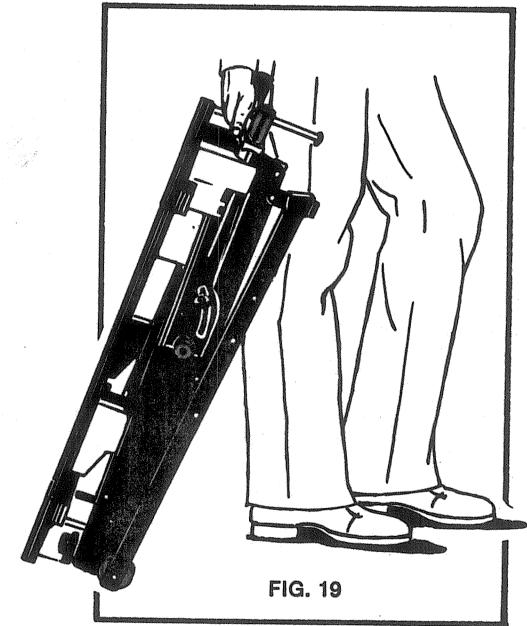
**CAUTION:** The equipment should be securely attached to a mounting board with screws or bolts. Wear safety glasses when using power equipment.



Full use of the 35" vise capacity and large work surface can be made. (Fig. 17)



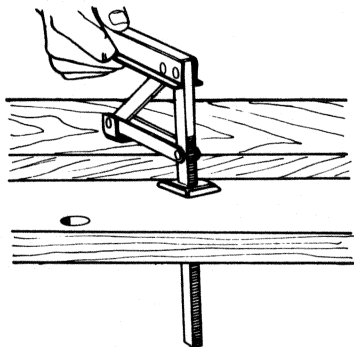
The protector grips hold pipes securely horizontally or vertically. (Fig. 18)



Your Workmate® folds for storing and carrying. To fold, it is important that the following procedure is followed.

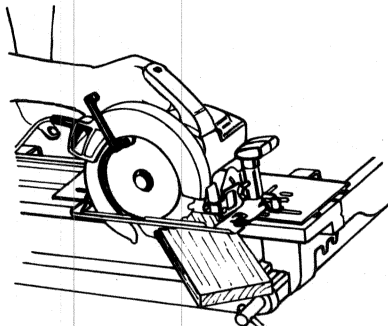
Make sure that the centerboard is securely clamped between the two vise jaws or removed altogether. Turn unit over as in figure 4 and release the metal struts. Fold front pair of legs, then rear legs, making sure that the retaining catches hold securely. The two plastic wheels allow the unit to be moved with ease.

# WORKMATE® Work Center and Vise Attachments



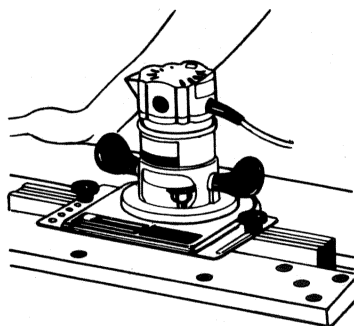
### 79-016 Clamp

Fits into holes on WORKMATE® vise jaws to hold parts for gluing, sawing, drilling. Has up to 100 pounds clamping force. Won't mar surface.



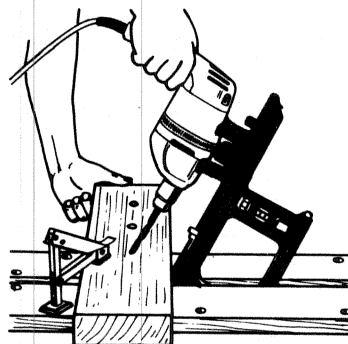
### 79-012 Saw and Mitre Guide

Guides material for accurate mitre and compound mitre cuts with Black & Decker and most other 7 1/4" circular saws.



### 79-013 Router and Shape Guide

Hold Black & Decker and most other routers securely for easy shaping and routing on the WORKMATE®. Use for routing edges, beading, for easy professional router cuts.



### 79-015 Drill Guide

Holds Black & Decker and most other drills securely for vertical or 0° to 90° angular drilling. Use freehand for accurate angles, or horizontally in WORKMATE® to hold drill for buffing, sanding jobs.

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### IMPORTANT

To assure product SAFETY and RELIABILITY repairs, maintenance and adjustment should be performed by BLACK & DECKER Service Centers or other qualified service organizations, always using BLACK & DECKER replacement parts.

### HOME USE WARRANTY (A Full One Year Warranty)

Black & Decker warrants this product for one year. We will repair, without charge, any defect due to faulty material or workmanship, or at our option, replace the product free. Please return the complete unit, transportation pre-paid, to any Black & Decker Service Center or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center Manager.

The accessories listed in this manual are available at extra cost from your local dealer, Black & Decker Service Center, or by writing to: Customer Services, Black & Decker (U.S.) Inc., Towson, Maryland 21204

**BLACK & DECKER (U.S.) INC., TOWSON, MD. 21204, U.S.A.**