

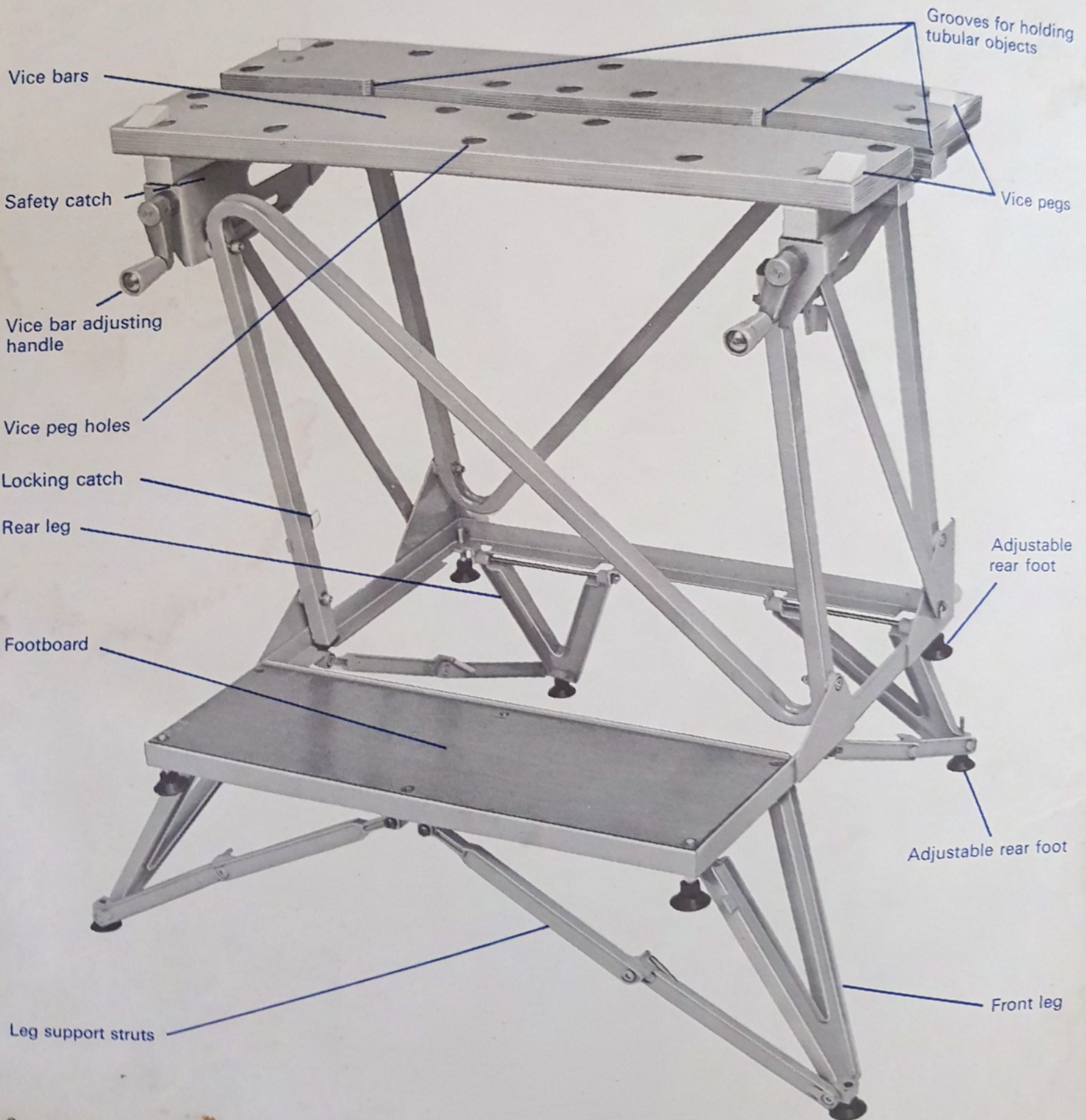
Black & Decker
Workmate

WM 525

Black & Decker Workmate

WM 525

The aim of this booklet is to help you make the most of your Workmate. It is an all-purpose fully portable work bench, designed to make best use of your skill and to increase your capability for fast accurate work in any location. The massive vice bars hold almost any material securely, and as the Workmate is lightweight and folds down to the size of a suitcase, it can be taken anywhere, in or out of the house whatever the job. On the following pages are given some basic applications and broad guide lines for use.



TO ERECT WORKMATE WM525

- 1 Lay the Workmate flat on the ground with the vice bars uppermost and nearest to you (Fig. 1).
- 2 Put one foot on the footboard beneath the vice bars and with the left hand release the locking catch (Fig. 1).
- 3 Lift the vice bars up and away (Fig. 2) until both safety catches engage. These catches will only engage when the unit is fully erected (Fig. 3). Do not attempt to use the Workmate until safety catches are engaged.

TO ERECT TO SECOND HEIGHT POSITION

- 1 Tilt the Workmate away from you and pull out the front legs located under the footboard (Fig. 4), ensure that the leg support struts are fully extended (Fig. 5).
- 2 Tilt the Workmate back towards you on its front feet, reach over the vice bars and open rear legs (Fig. 6), again ensure that the leg support struts are fully extended as for the front legs.
- 3 The unit is now fully erected to the second (bench) height position and ready for use.

LEVELLING

The Workmate WM525 is fitted with height adjusting screws on the rear legs. If the floor surface on which the Workmate is standing is uneven, then the adjusters can be screwed in or out to compensate for surface irregularities.

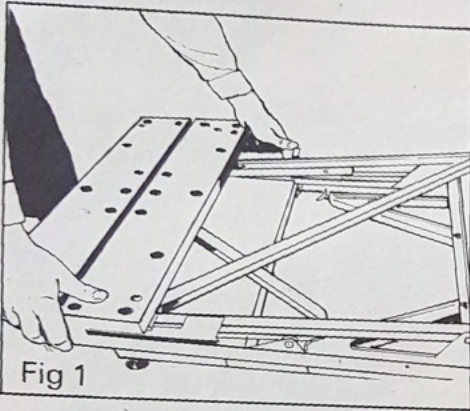


Fig 1

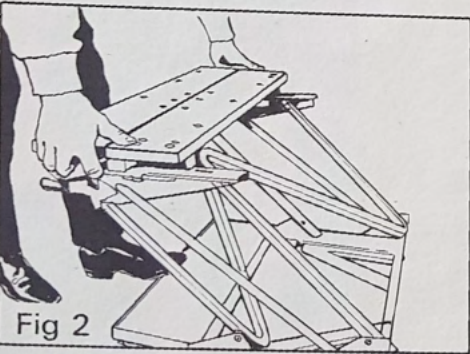


Fig 2

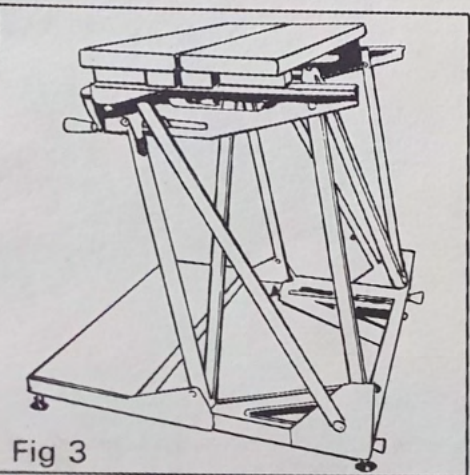


Fig 3

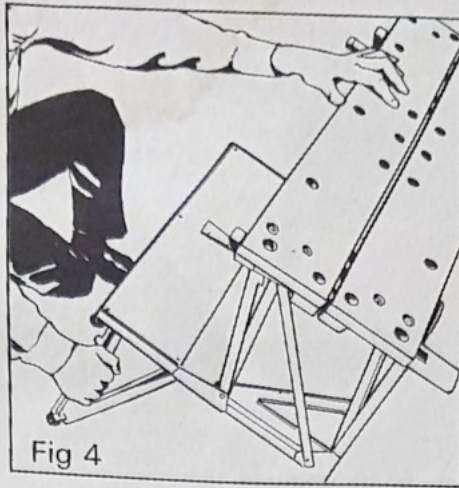


Fig 4

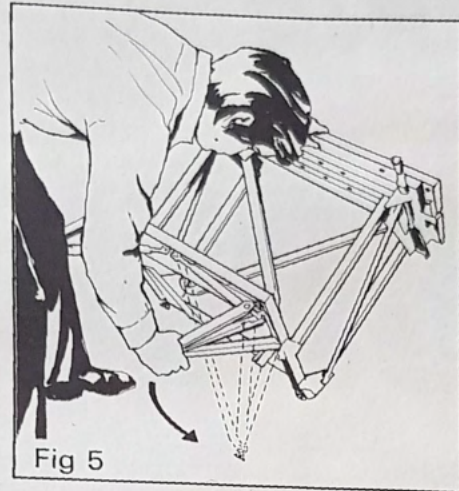


Fig 5

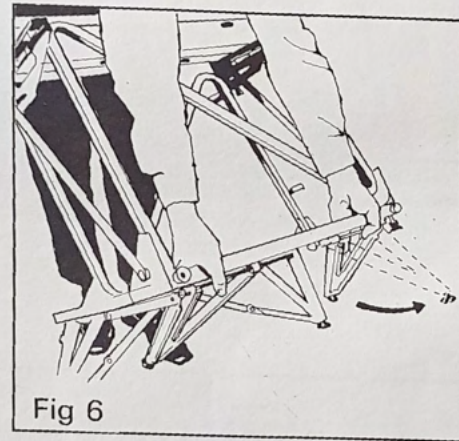


Fig 6



Fig 7

TO CLOSE WORKMATE WM525

- (a) From the Second Height Position
- 1 Stand in front of the unit with the vice handles towards you.
 - 2 Tilt the Workmate towards you on its front feet (Fig. 7).
 - 3 Reach over the vice bars and close each leg by bending the leg support strut before folding under the Workmate.
 - 4 Tilt the Workmate away from you on to the lower height rear feet.
 - 5 Close the front legs in the same manner as for the back ones. The Workmate should now be in the first (Trestle) height position.

(b) From the First (Trestle) Height Position

- 1 Stand in front of the unit with the vice handles towards you and place your foot on the footboard (Fig. 8).
- 2 Pull back on the triggers of the safety catches on either side of the Workmate (Fig. 8a), and push the unit away from you until it will go no further, maintaining pressure on the triggers (Fig. 8).
- 3 Whilst retaining pressure on the catches, lower the Workmate towards you (Fig. 9). Release catches when unit is fully closed. The locking catch will automatically operate.
- 4 Your Workmate is now ready to be taken to the next job or to be stored away.

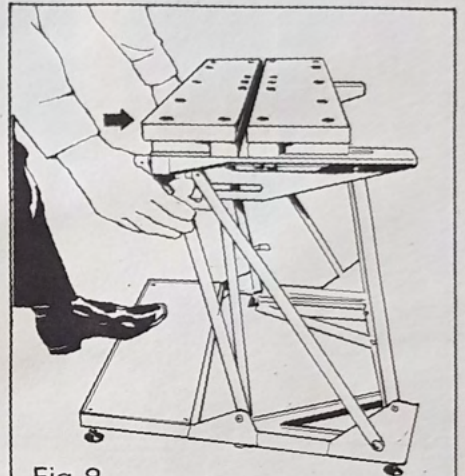


Fig 8

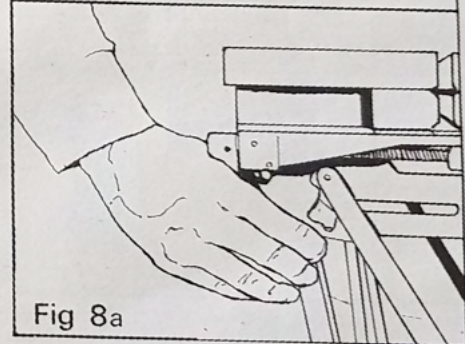


Fig 8a

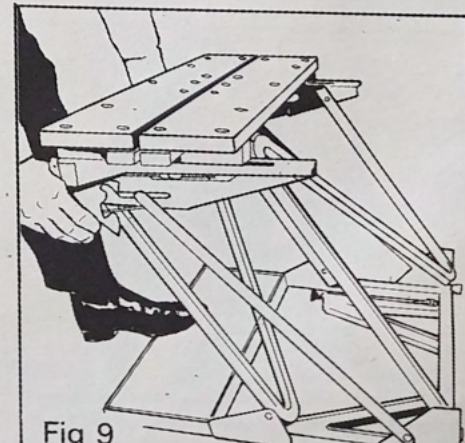


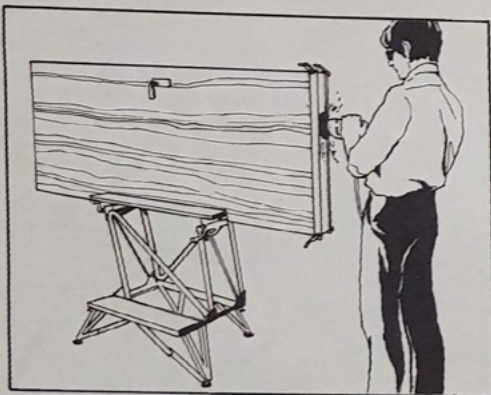
Fig 9

On pages 4, 5 and 6 is shown a series of drawings of the Workmate in use. These are taken from actual photographs and illustrate the enormous flexibility of the Workmate. Only basic applications are shown on these pages. When you have used the Workmate a few times, numerous additional applications will no doubt occur to you.

Black & Decker **Workmate**

WM 525

IN ACTION



Securely clamp a door, window frame or other bulky article for easy planing, shaping, sanding etc.

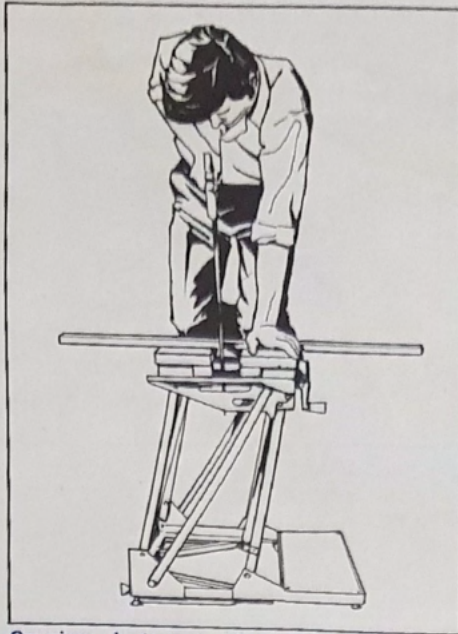
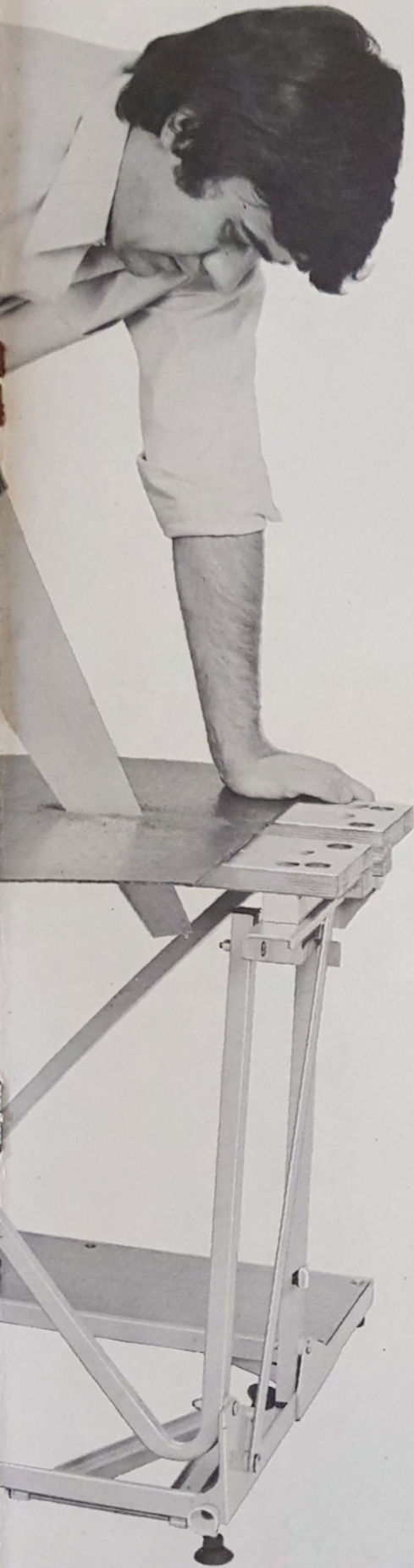


Accurate planing of wood, especially long planks, is easy with the massive vice bars.

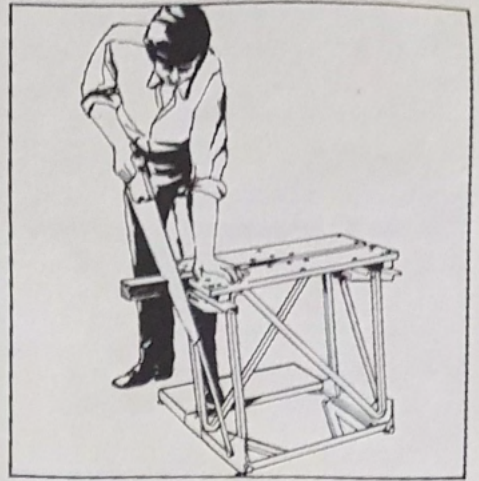


The massive vice bars hold the work piece securely for shaping, forming, sanding etc.

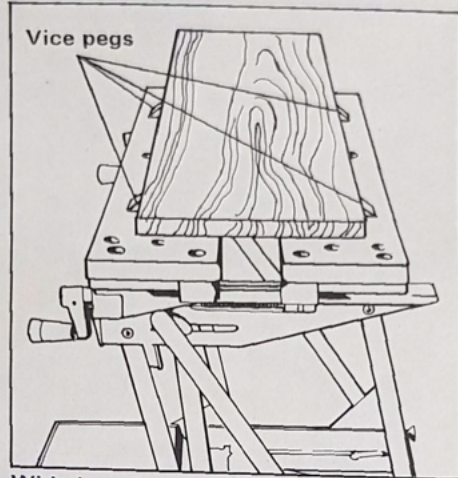
Saw panels up to 8' x 4'. You can hold even the thinnest panels down with all your weight, and they cut much better being supported right along the cutting line.



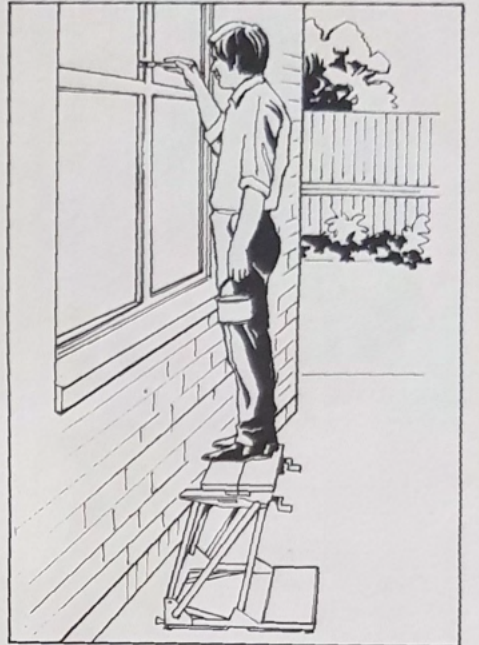
Sawing between the vice bars gives support on both sides of the cut.



Sawing: Tapered or parallel workpiece can be securely clamped between the vice bars for safe accurate sawing.



Wide boards can be held securely by using the special vice pegs, for easy and accurate sawing, sanding, shaping, finishing etc.



Jobs outside the house such as painting, window repairs and cleaning, car repairs are no problem since the Workmate bench is fully portable.



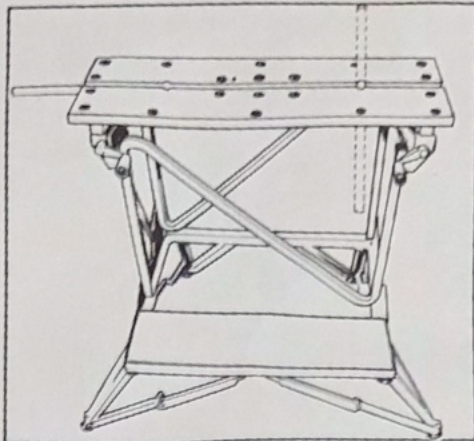
A metalworking vice can be used with the Workmate — simply mount it on a wooden board, screwed to a batten, and clamp the batten between the vice bars.



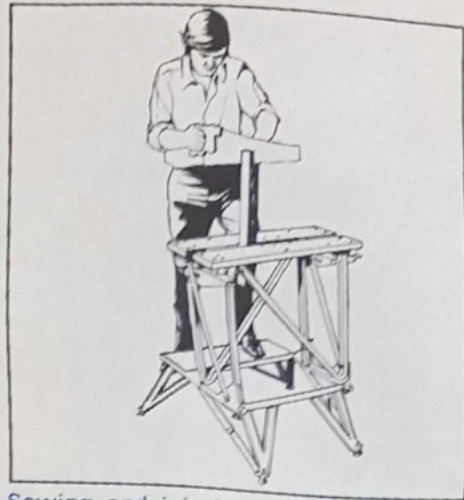
Power tools such as a circular saw, vertical drill stand, woodworking lathe, can be clamped within the vice jaws using a wooden board screwed to a batten.



Mount a piece of blockboard onto a batten, clamp it between the vice bars and you have a card, garden or pasting table.



The vice bars have special grooves for holding metal and plastic pipes, rods, guttering etc.



Sawing and jointing of long boards battens is easy and accurate with the Workmate.



Repairs around the house, children's toys, etc., are made easier with Workmate.



The vice jaws hold the workpiece securely for accurate chiseling, jointing, carving etc.

Using the Workmate

Vice Bars

The vice bars of your Workmate are made from specially selected ply for long, trouble-free operation.

WARNING

The vice bars are used to grip the workpiece and are capable of exerting tremendous pressure and leverage. It is important, therefore, not to apply excess force to the vice adjusting handles, otherwise damage may be caused to the workpiece, particularly if it is of soft or delicate construction.

Taper Action

A major feature of the Workmate is that each end of the movable vice bar is independently adjustable (see fig. 11). A tapered workpiece can therefore be held securely between the vice bars of the Workmate. Within the total vice bar opening of 100 mm (4") the amount of taper is infinitely variable.

IMPORTANT

When you are opening the vice bars at one end only it is important to ensure that a minimum gap of 6 mm ($\frac{1}{4}$ ") is initially provided at the other end (see fig. 12). If this is not done the vice bars will "bind" and the mechanism could be damaged.

Vice Pegs

4 Vice pegs are supplied with your Workmate. These fit into the holes machined into the vice bars and permit large and unusually shaped objects to be handled (see fig. 13, A and B).

Pipe Grooves

Special grooves have been machined in the gripping surfaces of the vice bars vertically and horizontally (see fig. 14) to enable tubular objects such as copper and plastic pipe, guttering, rods, etc., to be gripped with ease.

Power Tools

Power Tools and Attachments can be clamped within the vice bars by using a wooden board screwed to a batten (see fig. 15). A sheet entitled 'Simple Jigs and Fixtures for your Workmate' is available, which gives details and outline plans for some of these applications.

Although the Workmate can be used to provide a secure and safe mount for power tools and attachments it is important always to disconnect the power tool from the mains supply when making adjustments.

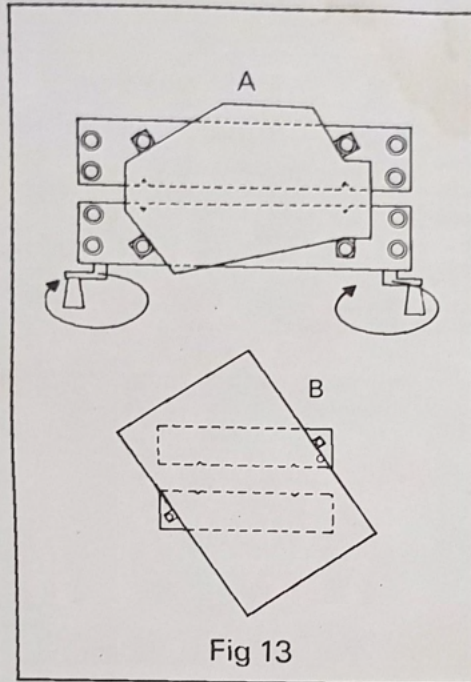


Fig 13

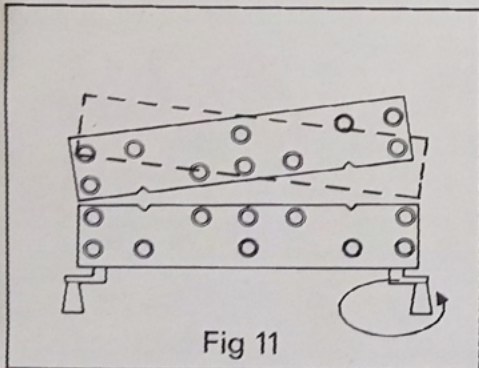


Fig 11

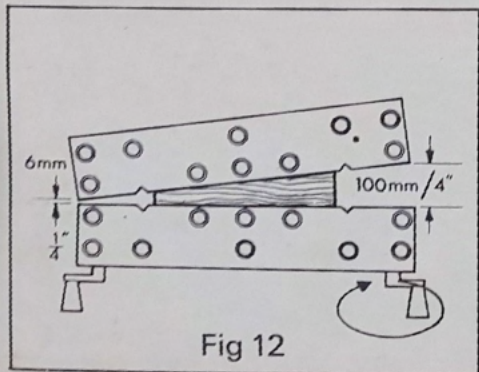


Fig 12

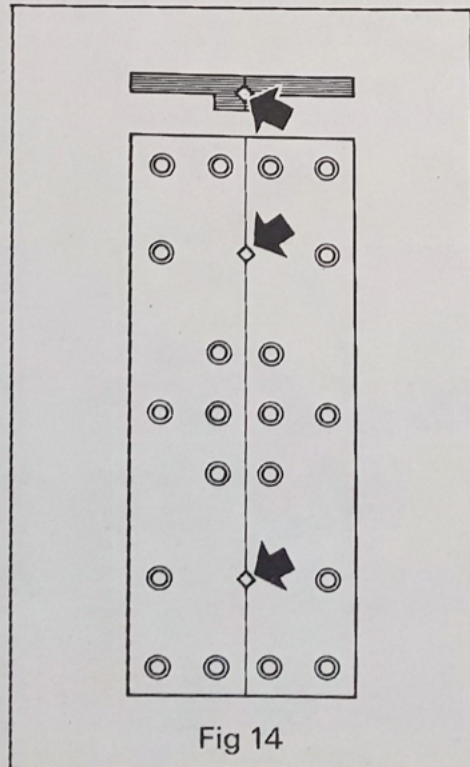


Fig 14

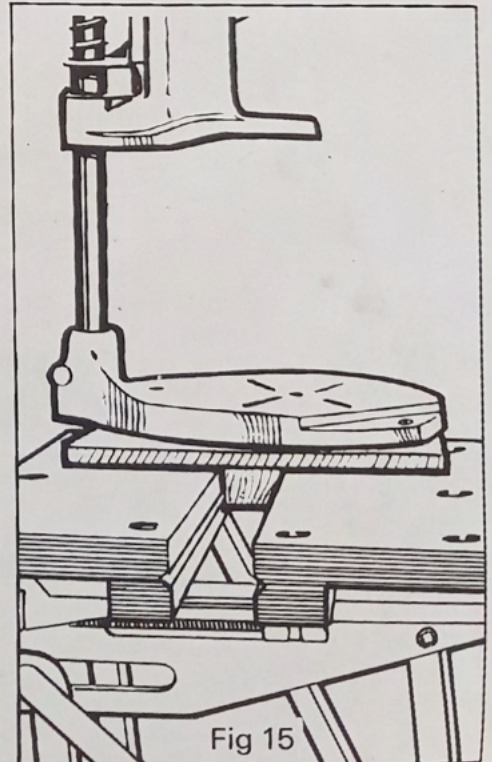


Fig 15

Storage

The Workmate has been designed for easy storage in a cupboard, under the stairs, on a garage wall, or even in the boot of most family cars. A suggested hanging arrangement is shown on fig. 16. Standard 'L' shaped brackets are used and the Workmate can be hung on these.

Although the vice bars of the Workmate have been given a coating of lacquer to guard against damp, Black & Decker do not recommend that the Workmate be stored in wet or damp conditions.

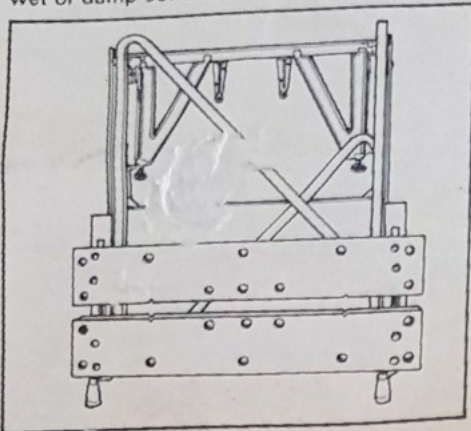


Fig 16

General Specification

Weight	kg	lb	
	17.0	37.5	
Size folded	820 mm x 740 mm x 190 mm		
	32½" x 29" x 7½"		
Vice Bar	740 mm x 125 mm		
	29" x 4½"		
Maximum Vice Bar Opening	100 mm	4"	
	Maximum Capacity using vice pegs		
(a) Work held parallel to bars	250 mm wide	10" wide	
	(b) Work held diagonally across vice bar	610 mm wide	24" wide
Height of Working Surface	Bench height	830 mm 32½"	
	Trestle height	620 mm 24½"	
Floor Area	Depth front to back	Maximum width	
	Bench height	680 mm (26¾")	880 mm (34½")
	Trestle height	570 mm (22½")	600 mm (23½")

Materials Used

Main frame	Steel
Vice jaws	Finest WBP Quality Ply

Note: All conversions are approximate.

Care and Maintenance

From time to time it is advisable to apply a few drops of light machine oil to the screw threads of the vice bar adjusting mechanism (see fig. 17A). At the same time it is advisable to apply a small amount of grease, not oil, to the channels within which the main support bars move (see fig. 17B).

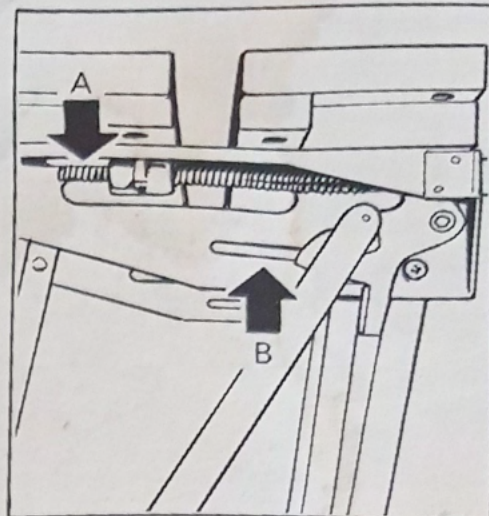


Fig 17

Service Facilities

There is a national network of Black and Decker owned Service Stations where you can send or bring the Workmate for service or repair. Each is staffed by a team of skilled craftsmen led by factory trained managers. These are backed up by over 500 Service Collection Points. Look for the sign alongside or check in the Yellow Pages of your Telephone Directory under "Electric Drill Manufacturers."



Guarantee

In common with other Black and Decker products, the Workmate is fully guaranteed. Full details are given on the guarantee card supplied with the Workmate. In keeping with our policy of continued product improvement, Black and Decker reserve the right to alter the specification and prices of the Workmate without notice.

Black & Decker Workmate

Black & Decker, Cannon Lane, Maidenhead, Berks, SL6 3PD.
Telephone: Littlewick Green 2130

