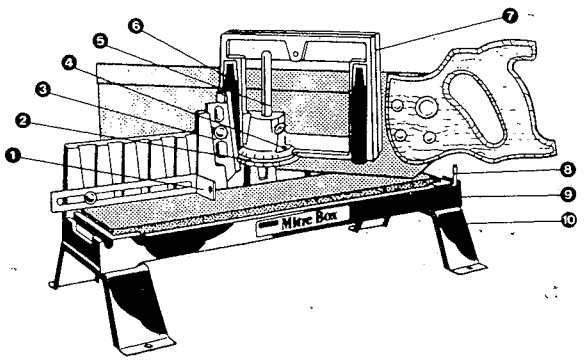
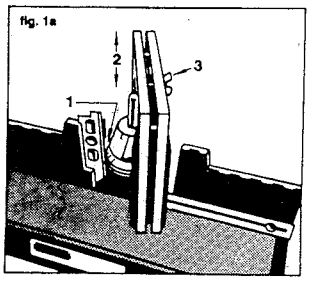
STANLEY® Mitre Box



1. Board stop
2. Full cutting range
3. Spring loaded wedge
4. Adjustable index plate
5. 4" Depth capacity
6. UNIQUE FEATURE– Free floating saw guide
7. Saw thickness adjustment
8. Board clamp
9. Cast aluminum construction
10. Offset legs.

THE STANLEY MITRE BOX

This Stanley Mitre Box is a professional quality tool. A few comments about its adjustments, use and care, will aid you in obtaining maximum accuracy and serviceability with this tool.



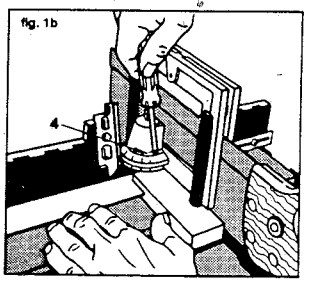
SAW GUIDE—refer to figures 1a & b.
There are four (4) settings or adjustments made on the saw guide—1) Angular setting, 2) height setting, 3) saw thickness adjustment, and 4) zero set.

1. Angular Setting
To set the saw guide for the desired angular cut, loosen the wing nut on the rear of the back plate near the guide post. Push the wedge to the left to disengage the saw guide index and swing the saw guide to the desired position. Release the wedge.

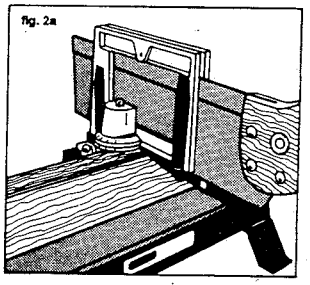
2. Height Setting
The height of the guide is now set by raising or lowering the guide on its post. The guide should be set about ¼ inch higher than the thickness of the workpiece to be cut, to allow clearance for the teeth of the saw which project slightly below the bottom of the guide. The wing nut is now tightened to lock the wedge and saw guide in position.

LIGHTLY OIL SAW BEFORE INSERTING INTO GUIDE.

3. Saw Thickness Adjustment
The saw guide is adjusted for the thickness of the saw by means of a single wing screw located at the top center of the saw guide. Loosen the screw so that the saw may be inserted between the guides. Care should be taken to be sure that the teeth of the saw are below the bottom of the saw guide, and do not cut into the plastic slides. Tighten the wing screw to remove clearance and provide smooth saw operation.

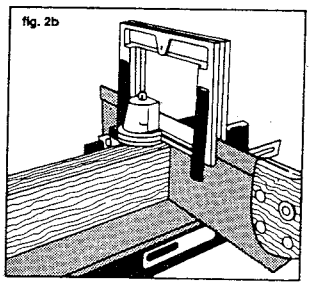


4. Zero Set
Should the saw guide require angular adjustment due to inaccurate cuts, set the guide to 90° and tighten the wedge wing nut. Insert a saw in the guide and tighten the guide wing screw. Loosen the two index plate screws and with a square held against the back plate, align the saw guide until the saw is at right angles to the back plate. Tighten the index plate screws.



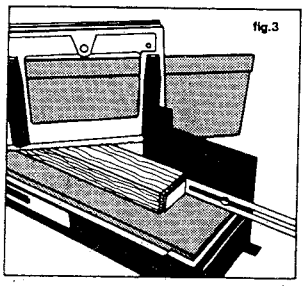
SAW GUIDE SLIDES—refer to figures 2a & b.
This Mitre Box is equipped with unique, saw guide slides. These slides provide the following features: They are manufactured from a reinforced engineering plastic which provides a very low frictional surface to guide the saw.

They provide an additional 1" of vertical travel to the saw so that a standard 2 × 4 may be cut through the wide dimension (3⅝") with a 4" mitre saw.



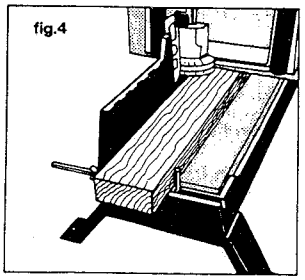
These slides are spring loaded so that they return to their self-storing position upon completion of the cut and removal of the saw. They will also return to their stored position if the saw is just raised in order to place another workpiece in position.

Since the slides are plastic, it is not necessary to oil them or the saw to provide smooth action. However, as with all tools, it is advisable to wipe the saw occasionally with an oily rag to provide protection against corrosion.



BOARD STOP—refer to figure 3
The adjustable board stop is provided for use when cutting a number of pieces to the same length. It may be attached on either the right or left side of the box, and either on the front or rear of the back plates. If the length to be cut is between the settings obtainable from mounting the stop on the front and rear of the back plate, attach a wooden block to the short leg of the stop and mount the stop on the rear of the back plate.

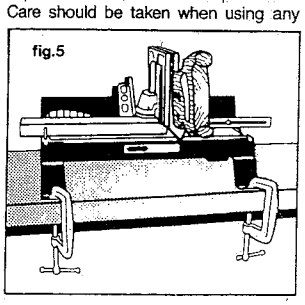
BOARD CLAMP—refer to figure 4
An adjustable board clamp is provided to assist in clamping the workpiece against the back plate. It may be mounted on either end of the box and when not in use may be swung out of the way. It is advisable not to adjust the clamp too tight—especially on thin work in order to avoid marring the work piece.



A piece of scrap wood between the clamp and workpiece will eliminate this problem.

BASE BOARD
The base board supplied with the Mitre Box is reversible and replaceable. It is held in place with two # 6 × ½" long wood screws on the bottom of the frame. When replacing the board, be sure that the replacement piece is both flat and of even thickness. Variations in either of these two areas will effect the accuracy of your cuts. Replacement boards may be made from solid wood, laminated wood, (plywood) or particle and composition boards. The dimensions required are ½ in. thickness × $16^{11}/_{16}$" long × $3^{13}/_{16}$" wide

ADDITIONAL FEATURES—refer to figure 5
Provisions have been made in the legs of the box to secure the Mitre Box to a work bench or other surface by nailing, screwing or clamping. It is advisable to secure the box by one of these means when making cuts in order to obtain maximum accuracy and provide additional stability.
This Mitre Box has been designed to accept a mitre saw, back saw or panel saw. Care should be taken when using any saw to be sure the teeth of the saw are always below the bottom of the plastic slides.



A Word of Advice—
1) Let the saw do the work. Don't force the saw through the workpiece—you will obtain inaccurate cuts.
2) "Measure twice and cut once" An old but true piece of advice.
3) Use a saw that is properly set and sharpened. You know what it's like to shave with a dull razor!

WORK SAFELY WITH TOOLS BY WEARING SAFETY GOGGLES