



Green Lane. Leicester. LE5 4PF.  
0116 2769111

# INSTRUCTION MANUAL

# 10" AGS

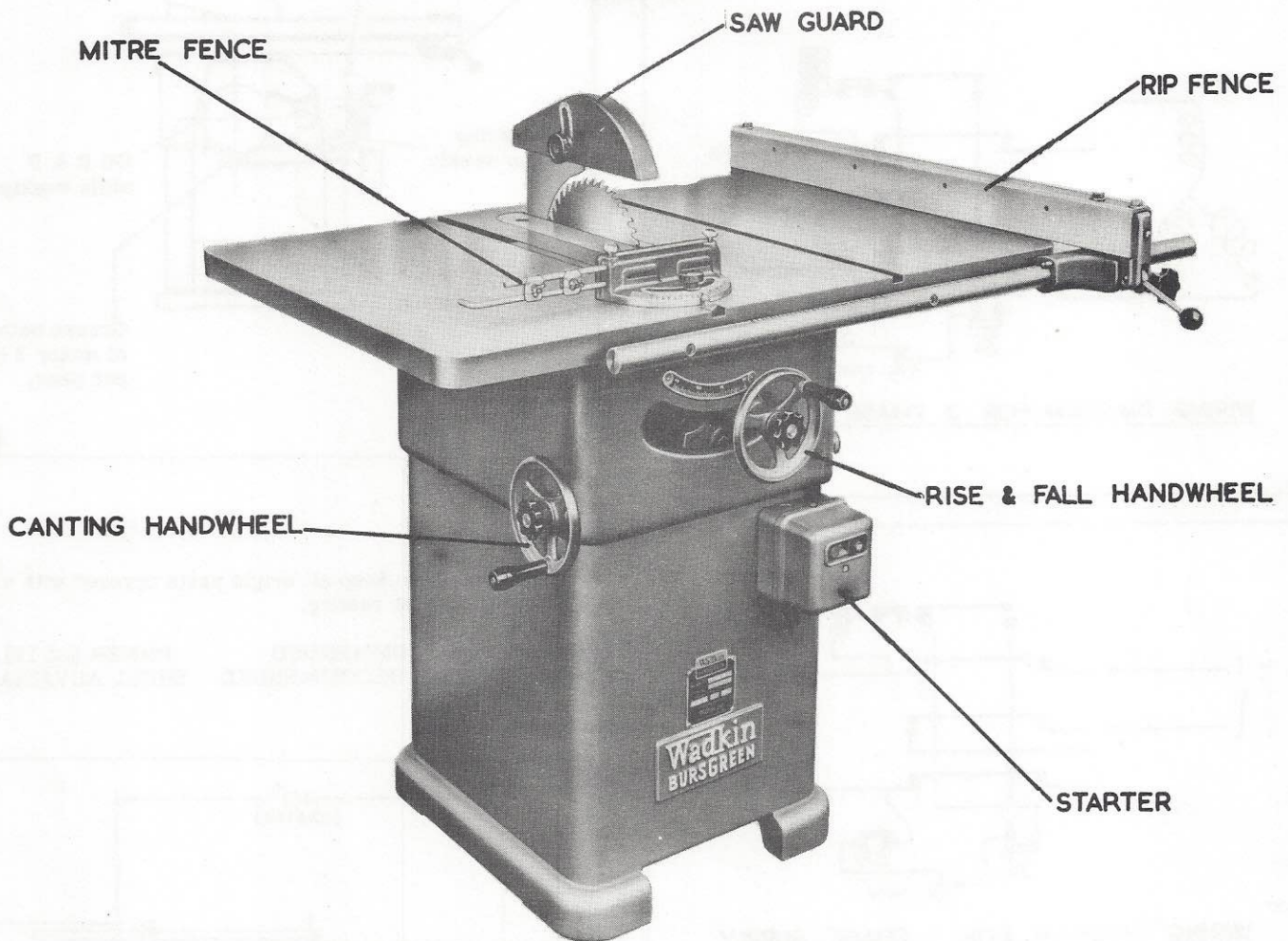
## 10" TILTING ARBOR SAWBENCH

10AES 7212234

PLEASE INSERT SERIAL  
NUMBER OF MACHINE

MODIFICATIONS ARE MADE TO THESE BOOKS FROM TIME TO TIME  
AND IT IS IMPORTANT THEREFORE THAT ONLY THE BOOK SENT  
WITH THE MACHINE SHOULD BE USED AS A WORKING MANUAL

# 10" TILTING ARBOR SAWBENCH TYPE 10" AGS



## SPECIFICATION

Standard diameter of saw	10"	254mm
Maximum diameter of saw for occasional deep cutting	12"	305mm
Diameter of saw arbor	5/8"	15.8mm
	20mm or 25mm dia can be supplied	
Maximum depth of cut 10" saw	3.1/8"	79.4mm
Maximum depth of 45° cut 10" saw	2.1/8"	54mm
Maximum depth of cut 12" saw	4.1/8"	105mm
Maximum depth of 45° cut 12" saw	2.7/8"	73mm
Maximum size of dado or grooving set recommended	6" dia x 13/16" wide	152.4mm x 20.6mm
Maximum size of circular cutterblock for moulding	4.7/8" dia x 3/4" wide	124mm x 20mm
Speed of saw spindle	3,850rpm	
Size of Table	20" x 28"	508mm x 710mm
Size of Table with extension	40" x 28"	1016mm x 710mm
Saw to front edge of table with saw in top position (10"dia saw)	13"	330mm
Fence movement to right of saw	25 1/2"	650mm
Saw cants to right	45°	
Ripping fence	35 1/2" long x 2 1/2" high	900mm x 64mm
Table height	34"	865mm
Overall dimensions with table extensions and standard fence bars	50" x 38"	1270mm x 965mm
Horsepower of motor	2 (3phase) 1 1/2 (1phase)	
	optional extra 3 (3phase)	
Approx net weight	392lbs	178 kg.
Approx gross weight	514lbs	233kg
Approx shipping dimensions	25 cu. ft.	.7 m <sup>3</sup>

## INSTALLATION

Remove protective coating from all bright parts by applying a cloth soaked in paraffin, turpentine or other solvent.

When the machine is cased for export the extension tables, rip fence, fence bars and motor are removed and packed individually. Remove and re-assemble as shown in fig. 1.

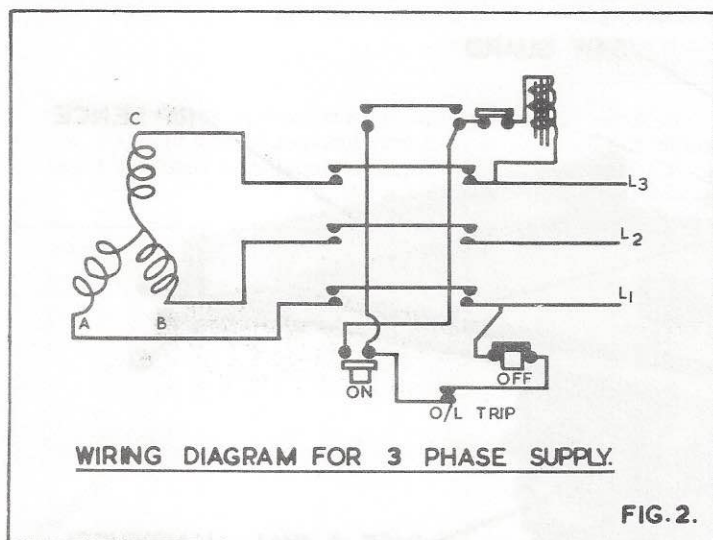


FIG. 2.

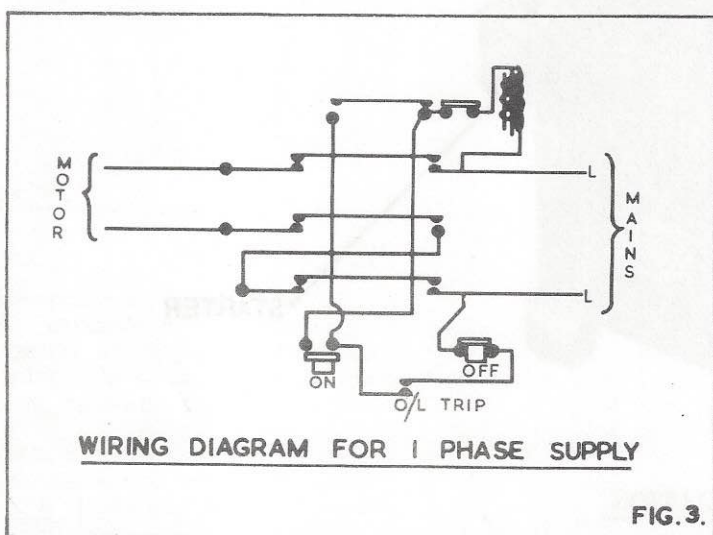


FIG. 3.

## WIRING DETAILS

The motor and control gear have been wired in before despatch. All that is required is to connect the power supply to the starter or isolator when fitted.

Points to note when connecting to power supply :-

1. Check that the voltage, phase and frequency correspond to those on the motor plate, also the correct coils and heaters are fitted to the starter.
2. It is important that the correct size of cable is used to give the correct voltage at the starter. Too light a cable will give a voltage drop at the starter and may damage the motor.
3. Check the main line fuses are of the correct capacity. See list below. When an isolator is fitted the fuses are of the correct capacity as received.
4. Connect the line leads to the appropriate terminals. See fig. 2 for three phase supply see fig. 3 for 1 phase supply.
5. Check all connections are sound.
6. Check the rotation of the motor for the correct direction. If this is incorrect reverse any two line lead connections for three phase supply.

VOLTAGE.	PHASE.	H. P.	S.W.G. TINNED COPPER WIRE.	AMPS
220	3	2	23	20
340/420	3	2	25	15
550	3	2	29	10
200/250	1	2	17	65
220	3	3	21	29
340/420	3	3	23	20
550	3	3	25	15

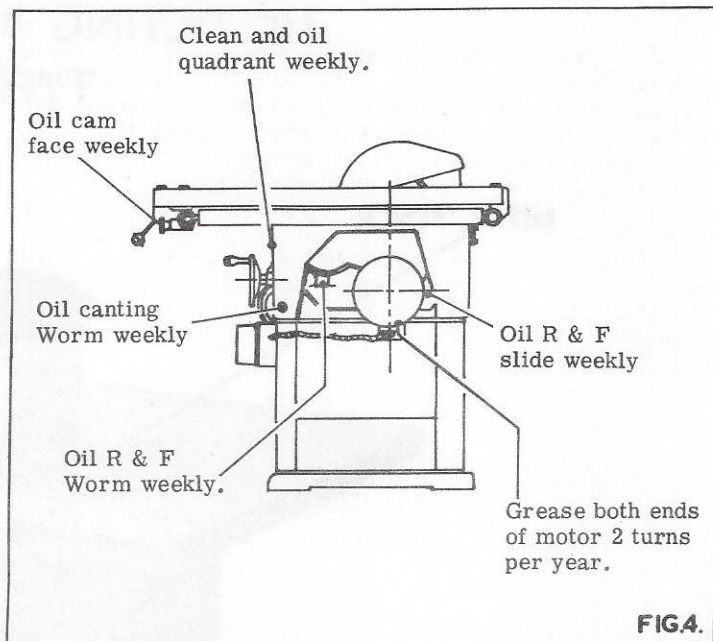


FIG. 4.

## LUBRICATION

It is advisable to keep all bright parts covered with a thin film of oil to prevent rusting.

TYPE OF OIL RECOMMENDED POWER EM 125.  
TYPE OF GREASE RECOMMENDED SHELL ALVANIA 3.

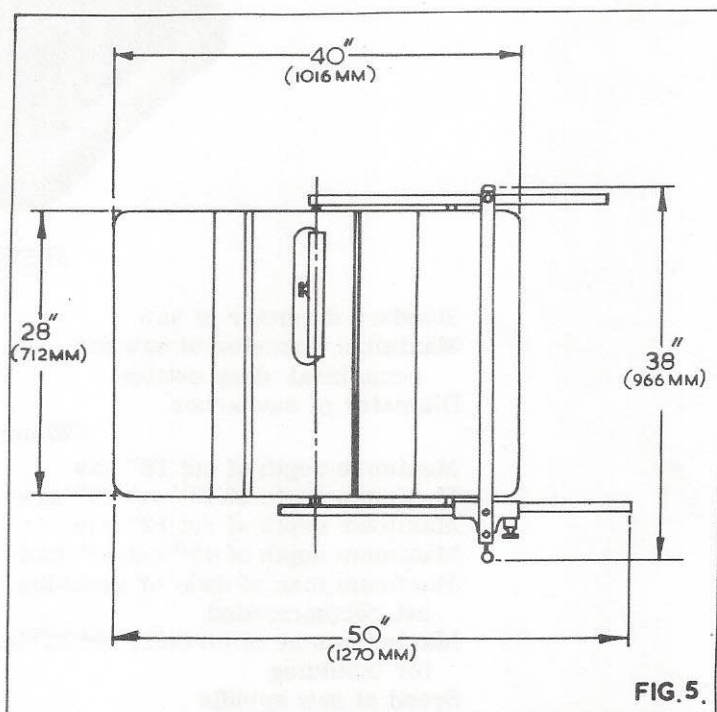


FIG. 5.

## FOUNDATION

The clearances required for this machine are shown in fig. 5.

## MOUNTING SAWBLADES.

To mount sawblade the undermentioned procedure should be followed:-

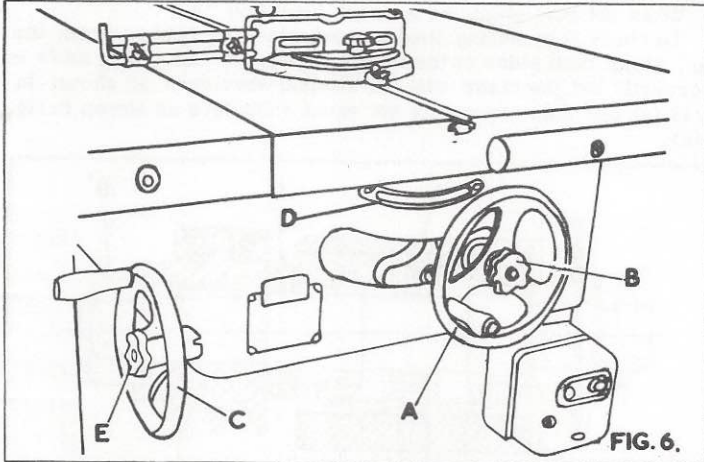
1. Check the machine is isolated electrically before starting to fit sawblade.
2. Swing sawguard to top position.
3. Remove aluminium table insert and raise saw arbor to its highest position.
4. Remove the arbor nut (left hand thread) and front saw flange. To facilitate the removal of the arbor nut, insert the toggle bar supplied, in the back saw flange.

5. Select the blade which is required depending on the type of work which is to be done. Check the blade is free from all dirt, gum or sawdust especially where it will be gripped by the flanges. Mount the blade onto arbor. Check the front saw flange is clean and then fit into saw arbor. The saw teeth should point towards the front of the machine.

NOTE:- If the flanges and the saw are not clean the saw will run out of true, causing vibration and indifferent sawing.

6. Lock the saw securely in position with the arbor nut ( Left hand thread). To tighten arbor nut hold spindle in position with the toggle bar in the back saw flange.

7. Replace table insert and position sawguard depending on the thickness of timber to be worked.



RISE AND FALL CONTROLS

The saw arbor rises and falls a total travel of 3. 1/8" ( 79.4 mm). The travel of the saw is pre-set before despatch from the works. The rise and fall is controlled by the conveniently placed handwheel "A" in fig. 6. The rise and fall is through a wormwheel and racked quadrant.

To lock the saw in any position, lock plastic handwheel "B"

#### CANTING CONTROLS.

The saw cants 45° to the right, with positive stops at 90° and 45° which are accurately set before despatch from the works. The motion is through a wormwheel and racked quadrant and is controlled by the conveniently placed handwheel "C", in fig. 6. The angle of cant is shown on the graduated scale "D".

To lock the saw at any angle, lock handwheel "E".

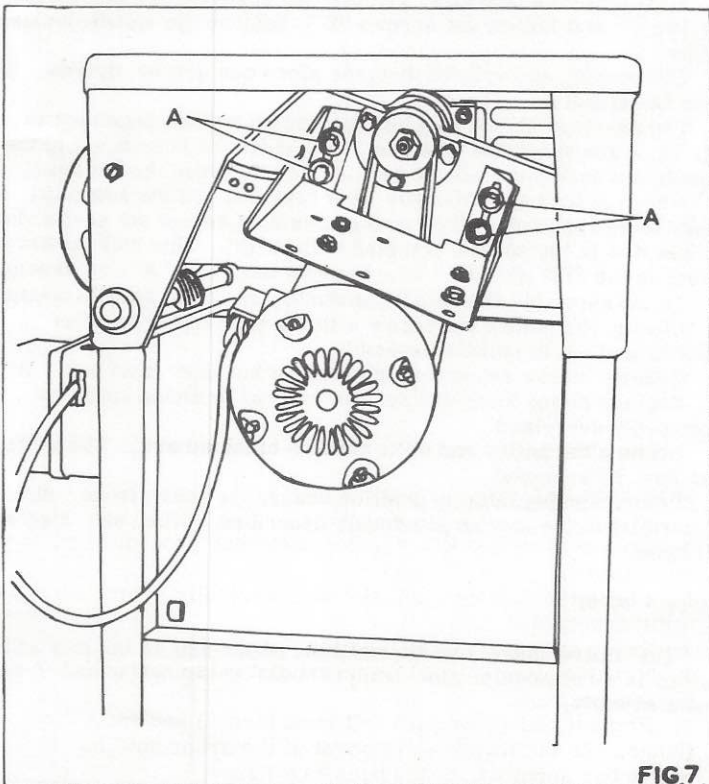


FIG.7.

All adjustments listed below have been carefully set and checked and the whole machine thoroughly tested before despatch from the works. During the first few weeks of operation and at regular intervals afterwards, certain items such as belt tension should be checked carefully. When adjustments are necessary proceed in accordance with the relative instructions given.

#### BELT TENSION.

The drive is by three vee belts from 2 H.P. motor. To tension the belts loosen the four hexagon head bolts "A", in fig. 7. Move motor until required tension is reached, then re-lock the hexagon head bolts "A".

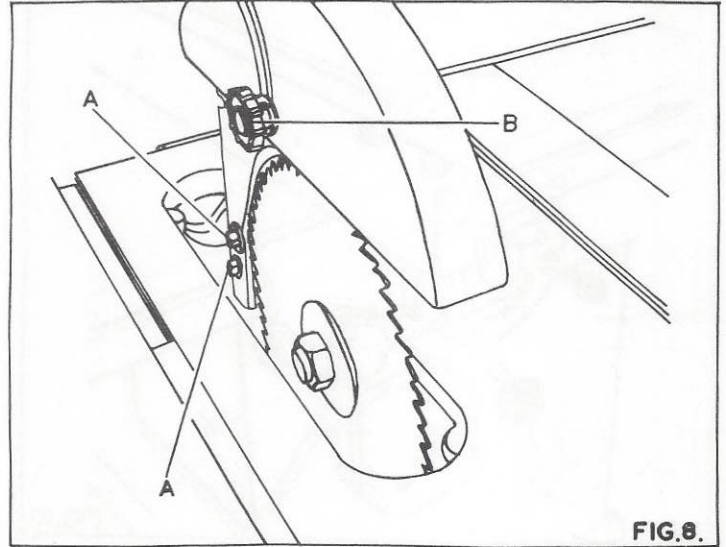


FIG.8.

#### HOW TO ADJUST GUARD AND RIVING KNIFE.

The riving knife complete with the sawguard rises and falls with the saw. The riving knife should be brought to within 1/4" ( 6 mm) of the saw at the closest point. To adjust the riving knife to this position, loosen the two hexagon nuts "A", in fig 8 and position riving knife where required, then re-lock in position.

The guard should then be adjusted to protect as much of the saw as possible by loosening the handwheel "B" and positioning the guard where required. When set re-lock handwheel "B".

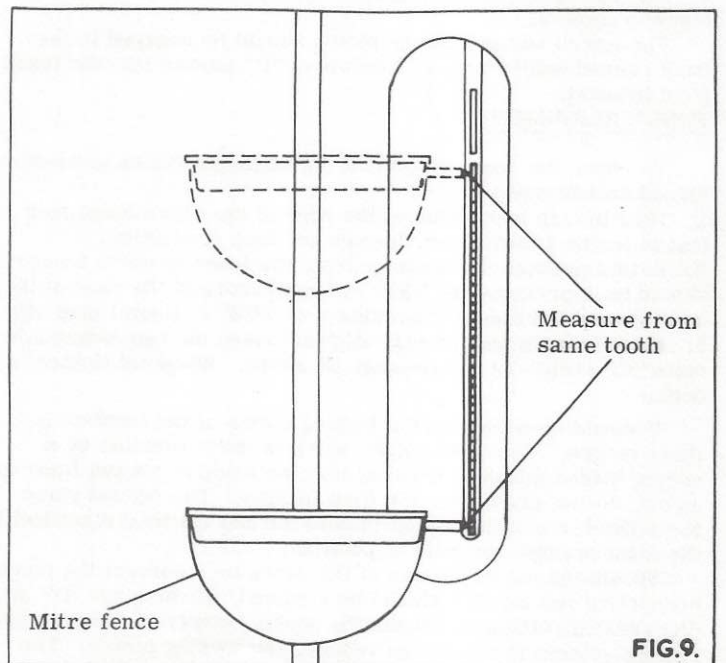


FIG.9.

#### SETTING TABLE IN LINE WITH SAW.

The table grooves are accurately set before despatch, but should the table be disturbed in transit or for any other reason the undermentioned procedure should be followed to set the table grooves parallel to the saw:-

1. Loosen the four 3/8" whit nuts securing the table to the main frame.

2. With the saw fitted to arbor, select a tooth and position straight stop rod of mitre fence so that it just touches the saw as shown in fig. 9.

3. Slide mitre fence to rear position of the saw, swing tooth of saw which was used in item 2. Check whether the stop rod touches the tooth by the same amount. Should the slot be out of alignment with the saw, position table until correct.

The correct position of the saw in relation to the table insert slot is 1" (25.4 mm) from the right hand side. This will ensure clearance on the table insert when the saw is canted. When set tighten all screws.

4. To check this alignment cut several pieces of wood using the mitre fence to ensure there is no back cut as the stock is passed through the sawblades.

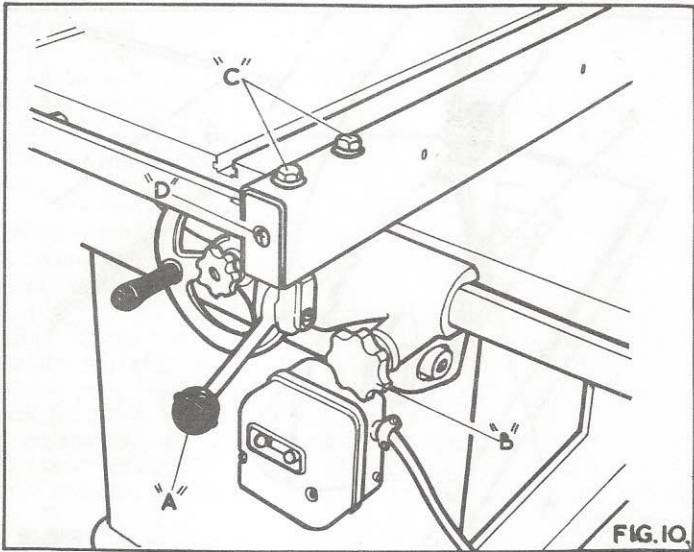


FIG. 10.  
RIP FENCE CONTROLS

The rip fence slides on two round bars the front one being racked underneath and graduated on top, the rear one being plain. The fence is provided with rapid and micro adjustment also an effective lock.

For rapid adjustment the undermentioned procedure should be followed:-

1. Lift handle "A", in fig. 10, and disengage the pinion from the front racked fence bar by pulling handwheel "B", out of the fence front bracket.
2. Position fence where required and depress lever "A", to lock fence in position.

For micro adjustment the pinion should be engaged in the front racked fence bar i. e. handwheel "B" pushed into the fence front bracket.

#### FENCE ALIGNMENT

To check the fence alignment the undermentioned procedure should be followed:-

1. Position rip fence near to the edge of the mitre fence slot that is furthest away from the saw and lock in position.
2. In this position the distance from the fence to mitre fence slot should be approximately 1/32" (.8 mm) more at the rear of the table than at the front of the table i. e. 1/32" (.8 mm) lead off.
3. If the fence is incorrectly aligned loosen the two hexagon head bolts "C" in fig. 10 and re-align as above. When set tighten all bolts.

It should be noted that the locking action of the fence is in three stages. The first stage, which is made possible by a spring loaded plunger, ensures that the fence is always lined up as set, to the saw before the final locking. The second stage locks the fence back bracket in position and the final stage locks the front bracket securely in position.

Should the locking action of the fence be incorrect the fence connecting rod nut "D" should be adjusted. Turning nut "D" in a clockwise direction increases the locking power of the rear lock and anti-clockwise direction reduces the locking power. The correct locking procedure for the fence is as described above.

Should the fence bars not be parallel to the table top. The socket head cap screws securing the fence bars to the table should be loosened and the bars set parallel to the table top. When correctly set re-lock socket head cap screws.

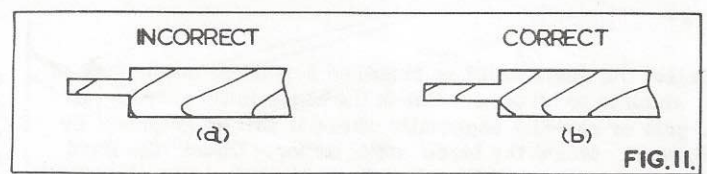


FIG. 11.  
SETTING SAW TO RIVING KNIFE

It is most important that the saw and riving knife are in line. To re-set should the spindle have been disturbed, the under-mentioned procedure should be followed.

1. Loosen the hexagon head adjuster bolt "A" in fig. 12, and tap spindle where required, taking care not to damage the thread on spindle end. Place a steel rule along both sides of the riving knife to check whether the saw is central.
2. When set re-tighten the hexagon head bolt "A".
3. To check this setting feed a short piece of timber from the rear, along both sides of the riving knife. If the riving knife is incorrectly set the blade will cut unequal shoulders as shown in fig. 11 (a) and when correctly set equal shoulders as shown in fig. 11 (b).

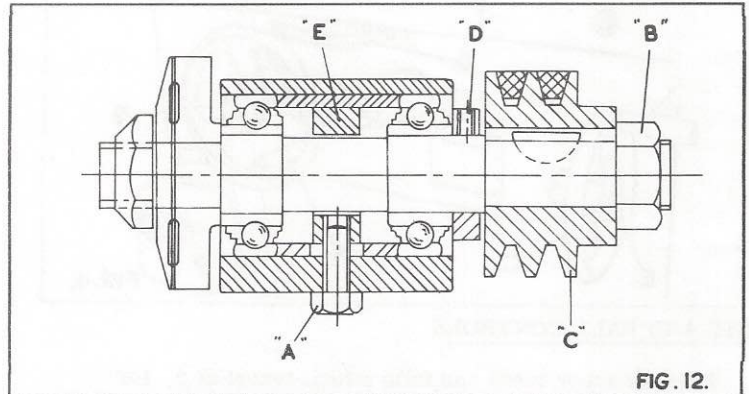


FIG. 12.  
HOW TO REPLACE SPINDLE BEARINGS

To replace the spindle bearings the undermentioned procedure should be followed:-

1. Remove saw, sawguard (complete with riving knife) and the table.
2. Release the tension on the belts as previously described and remove belts.
3. Remove the 5/8" whit nut (right hand thread) "B", in fig. 12, remove spindle pulley "C" which is keyed to the spindle.
4. Remove the hexagon head bolt "A", securing the remaining spindle assembly in the housing, tap out assembly from the pulley end. Care should be taken not to damage the threads on spindle end.
5. To remove the bearings, remove the woodruff key then loosen the two 1/4" whit hollow set screws "D", remove the spindle locking collar.
6. The bearing and spindle distance piece can now be driven from the spindle.

The bearings should now be replaced as the arrangement in fig. 12. Care should be taken not to preload the bearings i. e. the spindle distance piece should be just free between the two bearings. When the locking collar has been replaced and the assembly is ready to be replaced in the spindle housing a hollow set screw should be inserted in the spindle trapping collar "E". This will assist in lining up the 3/8" whit x 1" long hexagon head bolt "A". on assembly.

To re-assemble the spindle assembly into the spindle housing

1. Line up the hollow set screw with the hole in the spindle housing and tap in spindle assembly.
2. Remove hollow set screw and replace hexagon head bolt "A".
3. Replace riving knife and set saw central to riving knife as previously described.
4. Replace the pulley and belts then re-tension belts. The table can now be replaced.
5. Before locking table in position ensure the mitre fence slot is parallel to the saw as previously described. When set tighten all bolts.

#### MITRE FENCE

The mitre fence can be used on either side of the saw and slides in a rectangular slot, which should be kept clean and free from sawdust.

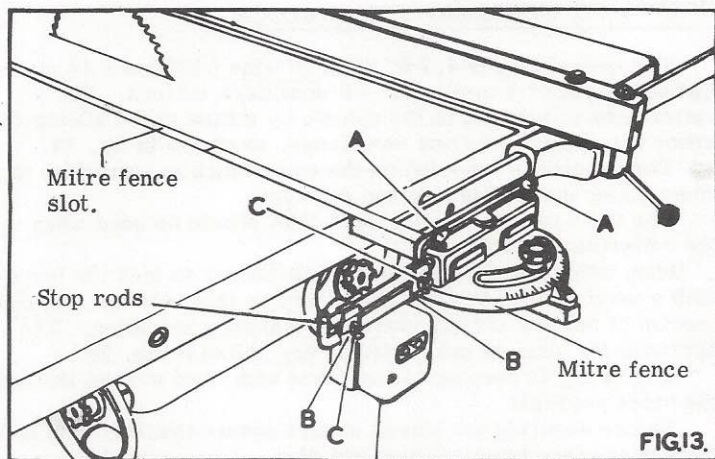


FIG. 13.

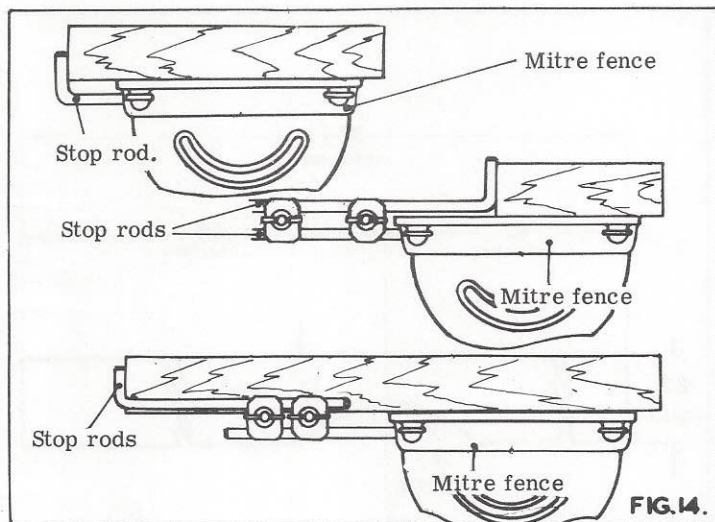


FIG. 14.

#### USE OF MITRE FENCE STOP RODS.

Accurate repetitive cutting can be made using the stop rods see fig. 14.

The rods are held in the fence by the thumbscrew "A" in fig. 13 and the stop rods held together by the two clamps "B". To adjust the rods by the clamps loosen the wingnuts "C".

See fig. 14 for several positions in which the stop rods can be used.

NOTE:- Take care that the stop rods are always clear of the saw or serious damage will result to the sawblade and the user.

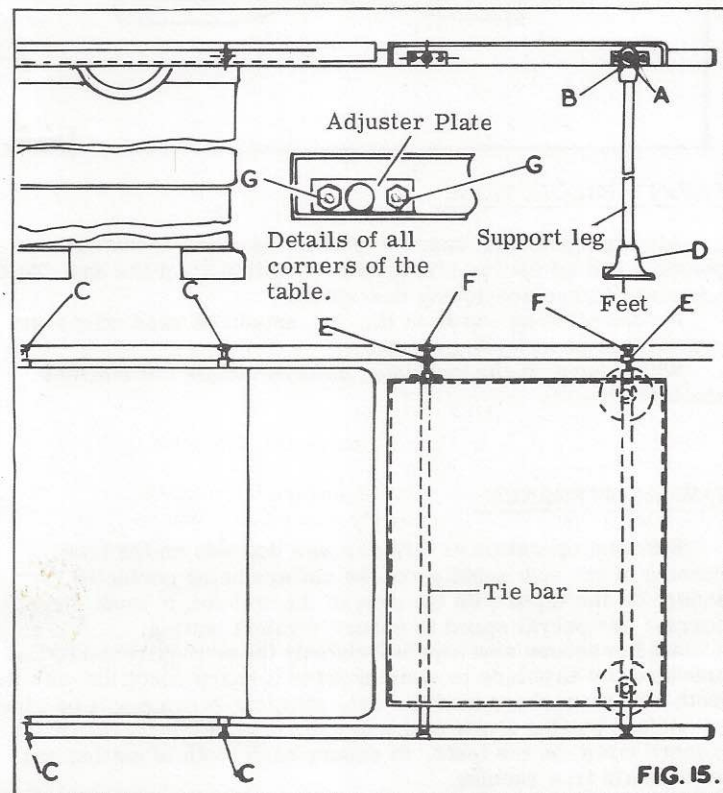


FIG. 15.

#### ARRANGEMENT OF SHEET METAL EXTENSION TABLE.

A sheet metal extension table can be supplied to fit to the right of the saw as shown in fig. 15. This table increases the capacity to the right of the saw to 50" (1270 mm) between the saw and rip fence.

To assemble table the undermentioned procedure should be followed:-

1. Remove parts from parcel and remove protective coating by applying a cloth soaked in paraffin, turpentine or other solvent, and assemble as shown in fig. 15.
2. Remove existing fence bars and replace with long bars supplied with the table, ensuring replacement bars are correctly positioned i.e. zero mark on graduated bar to the centre of the table.
3. Centralise the table with the main table of the machine. Loosen hollow set screw "A" in fig. 15 and keep filboes "B" pressed against the inside of the extension table. The whole assembly can slide along the tie bars. When central with the main table re-tighten hollow set screw "A".
4. Loosen the four socket cap screws "C", securing the fence slide bars to the main table and the square head bolts "D", securing the feet to the support legs. Raise or lower the support legs until the fence slide bars are parallel with the main table.

There is to be 1/32" (.8mm) to 1/16" (1.6 mm) clearance between the table and the bottom of the fence, throughout the entire length. When set re-tighten all screws.

5. Loosen the nuts "E" and adjust socket cap screws "F" until the rear fence slide bar is parallel to the front slide bar. When set re-lock the nuts "E".

6. Loosen hexagon head bolts and nuts "G" securing the adjuster plates to the extension table. Raise or lower the extension table until it is level with the machine table. Check by means of a straight edge. When correctly set re-tighten the hexagon head bolts and nuts "G".

The table is now ready for use.

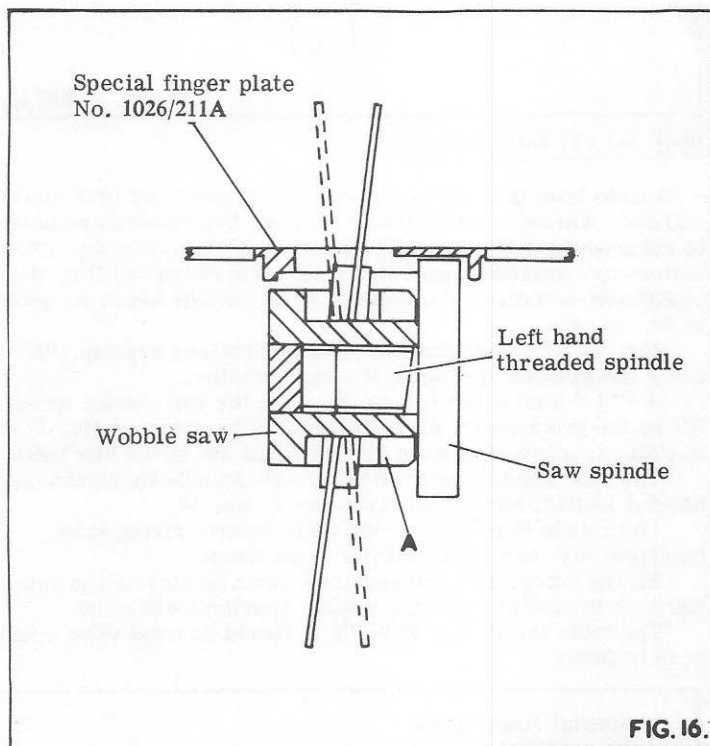


FIG. 16.

#### HOW TO FIT WOBBLE SAW.

To fit wobble saw the undermentioned procedure should be followed:-

1. Remove the table insert, riving knife complete with sawguard and front saw flange. Keep these in a dry safe place.
2. Screw wobble saw to saw spindle as shown in fig. 16.
3. All that is now required is to set the saw to give the size of slot which is required to be cut.
4. To adjust saw loosen nut "A" and move saw complete with large collars to required position. When set relock nut "A".

Maximum diameter of saw which can be used is 6" (152.4 mm) which will cut any width of groove between 1/8" and 5/8" (3mm and 15.8 mm) to a maximum depth of 1" (25.4 mm)

Table insert ref. No. 1026/76A should be used when the wobble saw is fitted.

## HOW TO FIT MOULDING CUTTERBLOCK

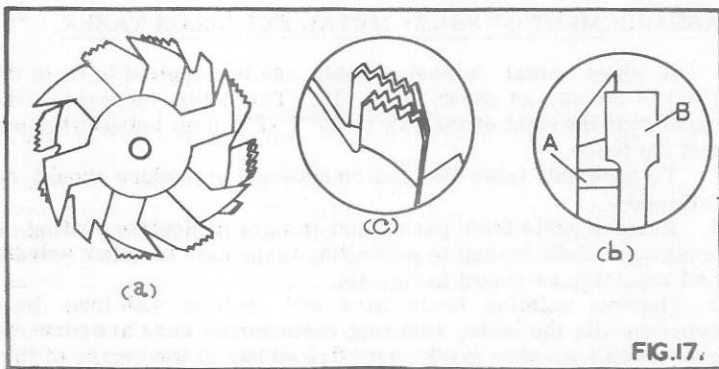


FIG. 17.

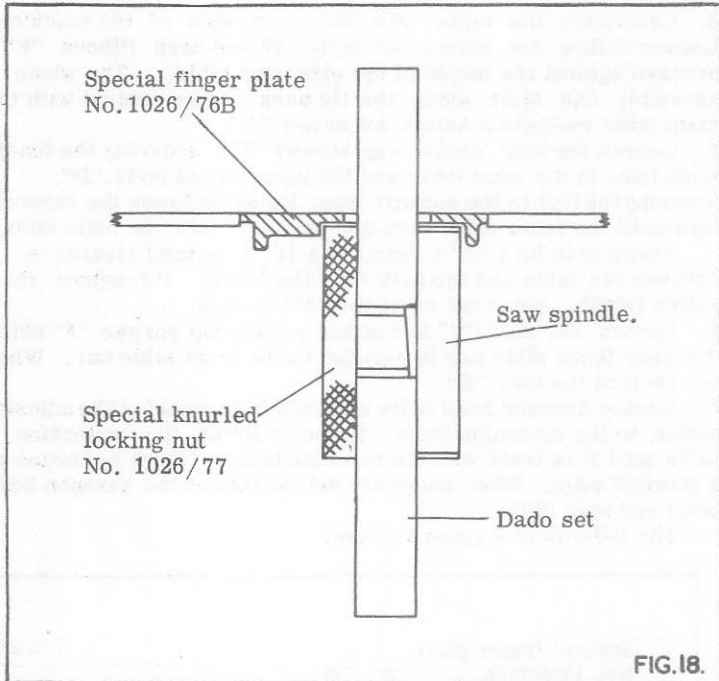


FIG. 18.

### HOW TO FIT DADO HEAD.

A dado head is made up of two outside saws and four inner cutters. Various combinations of saws and cutters can be used to cut grooves  $1/8''$  to  $13/16''$  (3 mm to 20.6 mm) wide. Inner cutters are heavily swaged and must be arranged so that the heavy portion falls in the gullets of the outside saws, as shown in fig. 17 (a).

Fig. 17 (b) shows how the saws and cutters overlap, "A" being the saw and "B" being the inside cutter.

A  $1/4''$  (6 mm) groove is cut by using the two outside saws fitting the ground teeth directly opposite as shown in fig. 17(c) in order to allow clearance for the slight set of the saw teeth.

The dado head is secured to the saw spindle by means of a special knurled locking nut as shown in fig. 18.

To fit dado head remove the table insert, riving knife complete with sawguard and front saw flange.

Fit the outer saws and required inner cutters on the spindle and lock in position with the special knurled locking nut.

The table insert No. 1026/76 B should be used when a dado head is fitted.

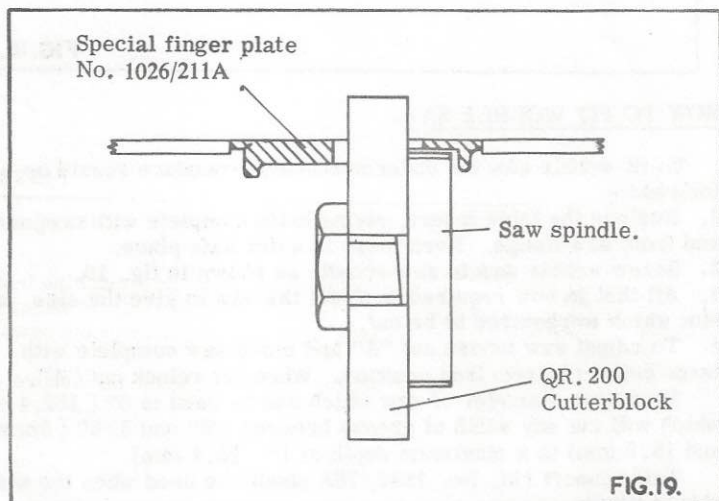


FIG. 19.

The cutterblock is  $4.7/8''$  dia x  $3/4''$  wide (124mm x 19 mm) and takes  $5/32''$  (4 mm) or  $1/4''$  (6 mm) thick cutters. The cutterblock is secured to the spindle by means of the standard arbor nut without the front saw flange, as shown in fig. 19.

The procedure when fitting the cutterblock is similar to that when fitting the wobble saw and dado set.

The table insert ref. No. 1026/76A should be used when the cutterblock is fitted.

When using the cutterblock it is necessary to face the fence with a wood facing, to span the cutters so that only the required amount of cutters are exposed when making a moulding. The approximate sizes of such a facing are shown in fig. 20.

The facing is secured to the fence with wood screws through the holes provided.

Before securing the knives always ensure that the slots and cutters are free from sawdust and dirt.

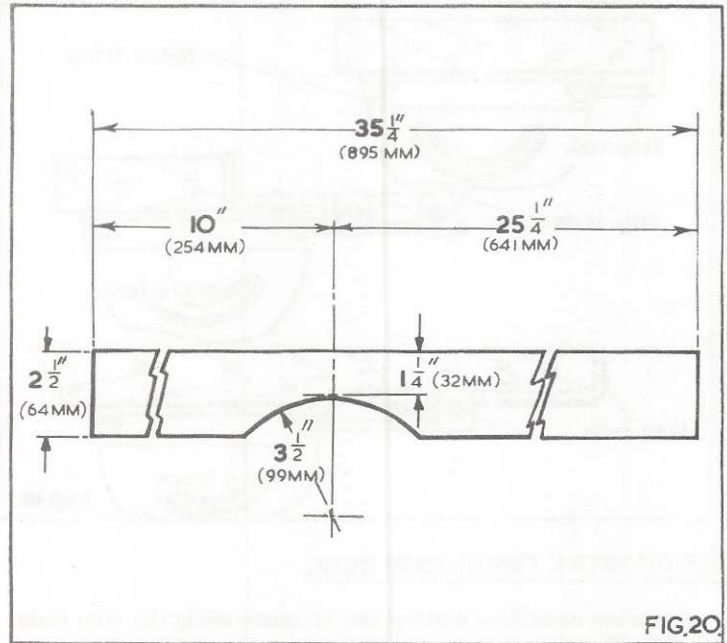


FIG. 20.

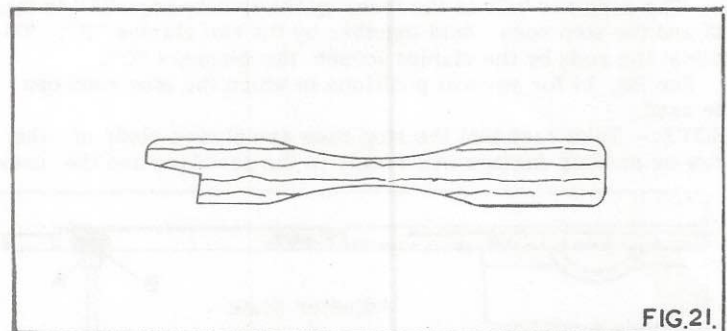


FIG. 21.

### SAFETY PRECAUTIONS

Always adjust the guard to protect as much of the saw as possible and adjust the riving knife to within  $1/4''$  of the saw. These adjustments are previously described.

A push stick as shown in fig. 21, should be used whenever practicable when feeding timber.

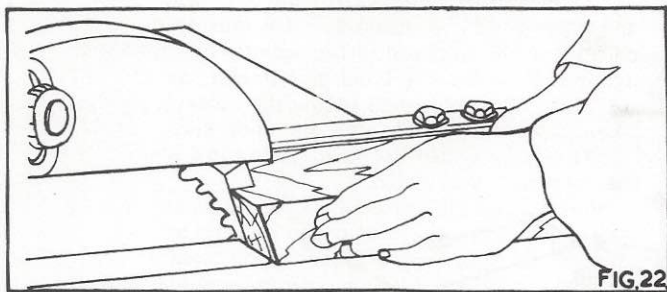
When changing the sawblade, always isolate the machine electrically.

### SAW MAINTENANCE

Efficient operation of circular saw depends on the true running of the saw spindle and the collars being perfectly square on the faces with the axis of the spindle. It must run at the correct peripheral speed to ensure straight cutting.

All Bursgreen saw benches embody these requirements and provided the sawblade is maintained in a sharp condition with the teeth correctly sharpened and set, efficient service will be given.

Before putting a new saw into use, it is essential that it is 'ranged down' on the teeth, to ensure each tooth is cutting and to maintain true running.



RANGING

Ranging down should be done on a new saw or any saw after the fourth or fifth re-sharpening.

To range down a saw, feed a square edge abrasive block in wooden holder as shown in fig. 22, lightly against the saw teeth whilst running. The saw should then be removed and the tops of the teeth filed to remove the ranging marks on the points.

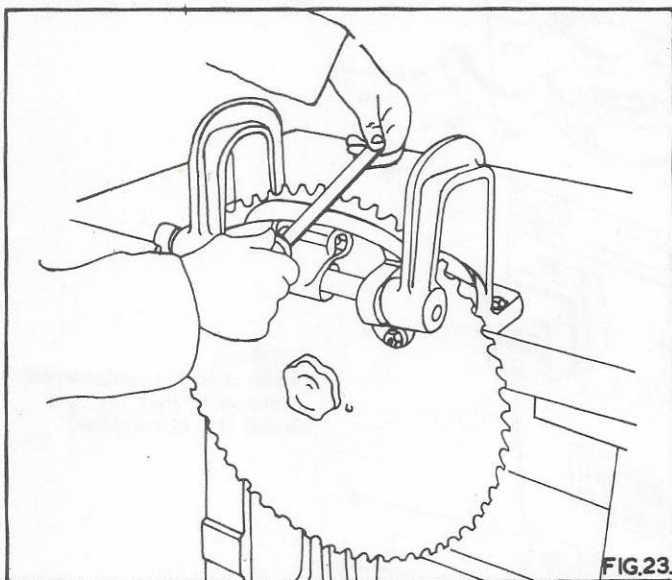


FIG. 23.

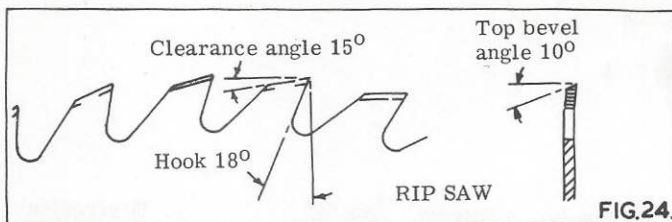


FIG. 24.

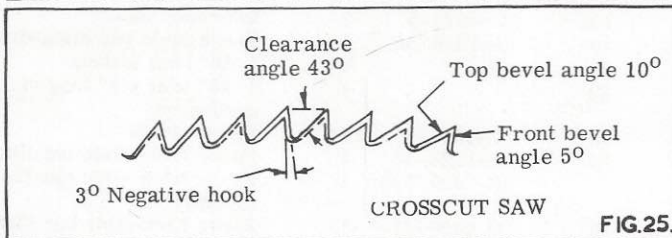


FIG. 25.

### SAW SHARPENING

Do not run a saw when blunt; remove and re-sharpen. To sharpen by hand hold the saw rigid in a vice, as shown in fig 23, then proceed to sharpen the saw.

With rip saw teeth chisel edges and square faces are required, see fig. 24. Sharpen by giving each tooth an equal number of strokes with a flat face saw file with rounded edges. At the same time file the gullet, taking care to keep the gullet well rounded.

With a crosscut saw, points are needed with back and front bevels as fig. 25.

In the case of repeated filing the teeth lose the original shape and the gullets shallow. To restore the shape of each tooth essential for satisfactory performance, it is necessary to grind the saw on a saw sharpening machine. These machines are usually of the automatic type and each tooth is given equal spacing or pitch.

### SETTING

The amount of set to the teeth should be sufficient to give clearance to the body of the saw, so that there is freedom from friction between saw and timber. It is generally accepted that the teeth are "spring set" i.e. tops of alternate teeth are bent to the right and left, as shown in fig. 26. For good sawing the amount of set on each side of the saw must be identical, otherwise the saw will run to one side. To check the set, cut into a piece of wood a few inches when a small even triangle should be cut as in fig. 27.

The exact amount of set each sides varies with the timber being cut, usually .010 to .015" (.3 mm to .4 mm)

For clean cutting just sufficient set should be allowed to prevent bending and heating. More set is required for wet woolly timber than for dry close grained timber and the amount of set is greater for crosscutting saws than for ripping.

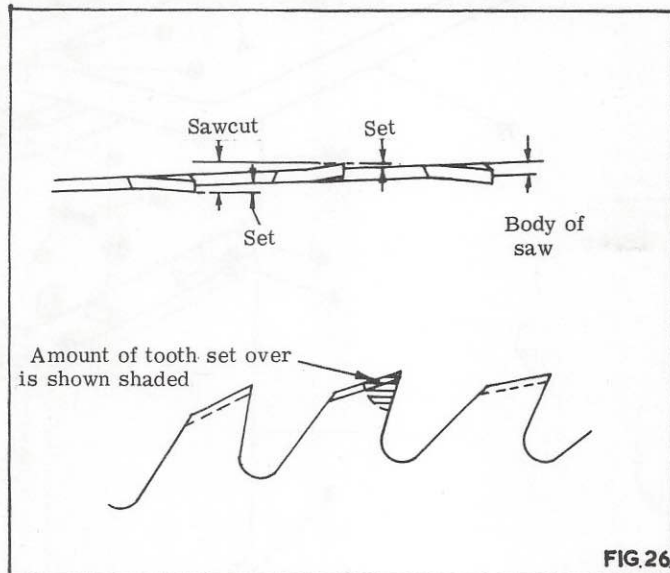


FIG. 26.

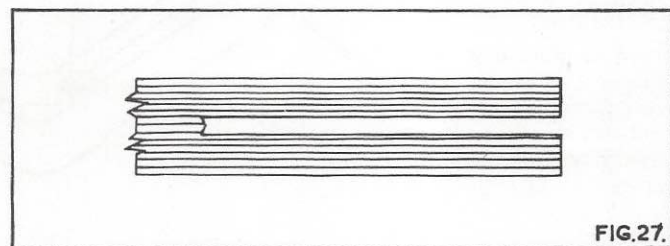


FIG. 27.

### MACHINE SETTING

We can supply a small machine for efficiently setting the teeth, and will deal with saws 8" to 36" (202 mm to 910 mm) diameter. The micrometer dial indicates an accurate reading of the amount of set in thousandths of an inch.

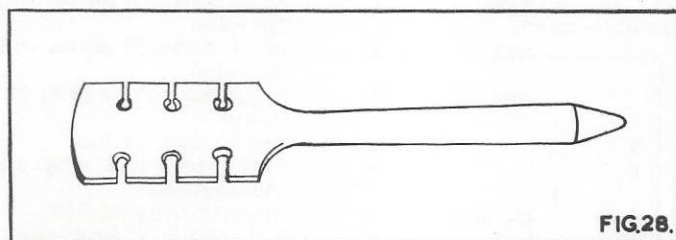


FIG. 28.

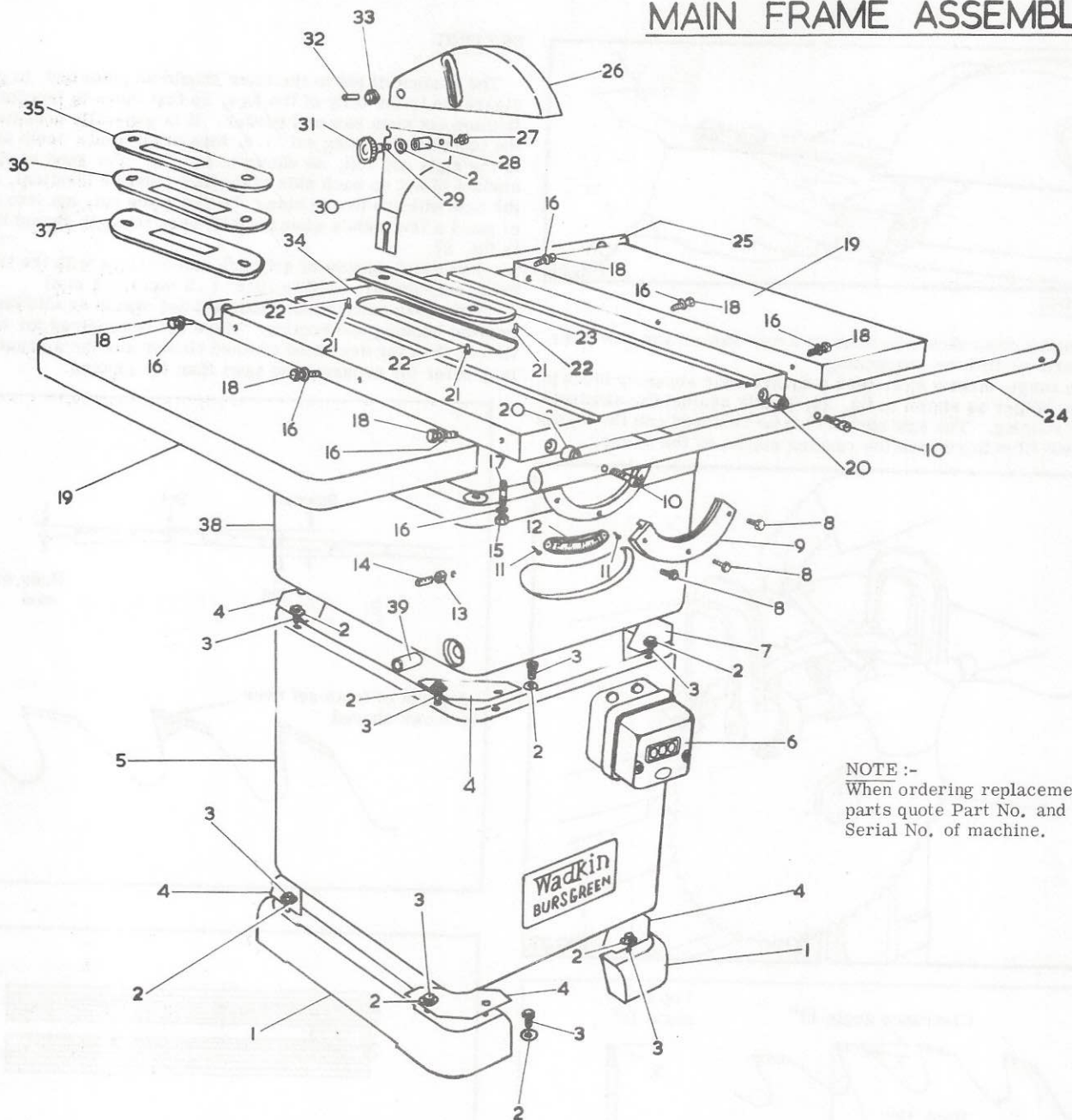
### HAND SETTING

Where the number of saws does not warrant a machine being installed, the saws can be set by hand using a tool, as shown in fig. 28. This tool is provided with six notches to take saws 8 to 14 gauges thick.

For this process of setting the saw should be securely clamped in a vice.

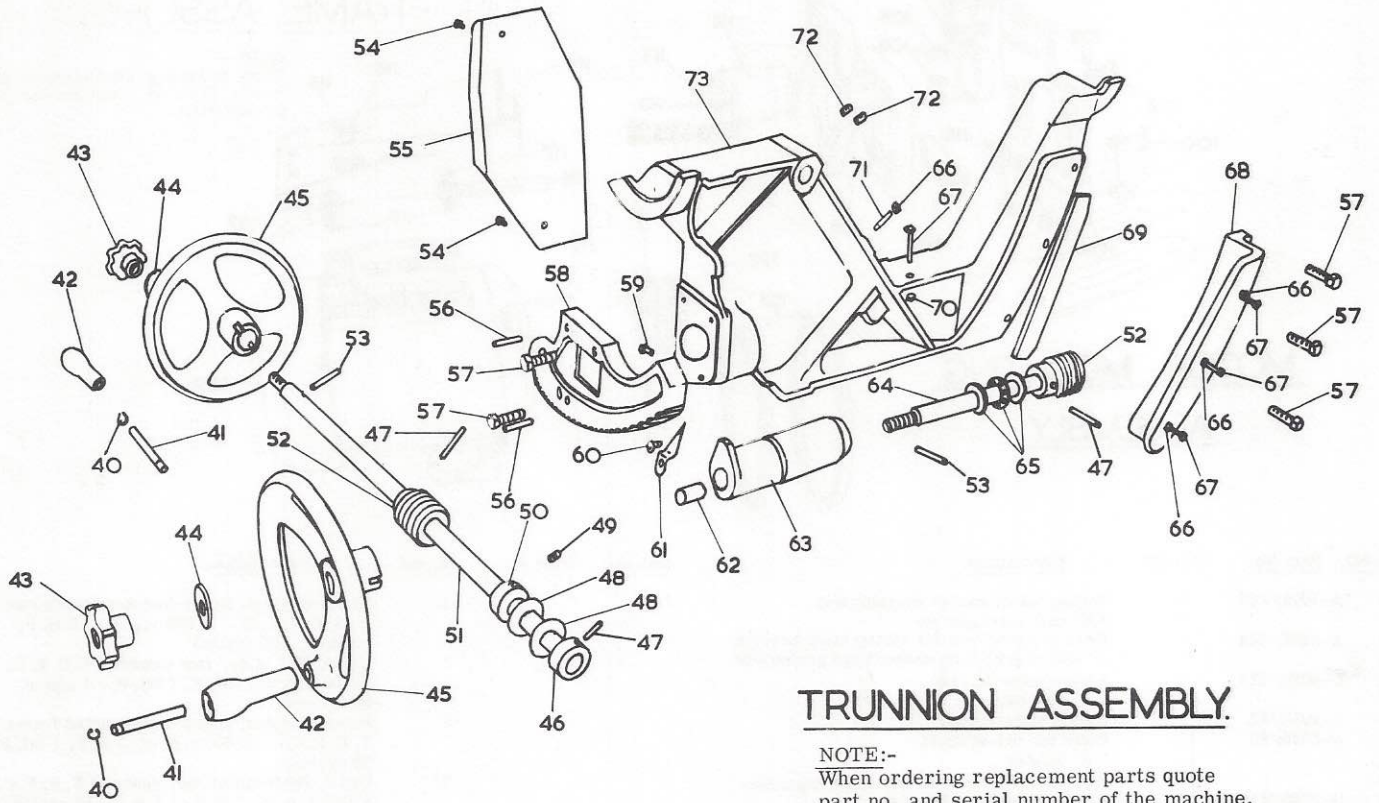


# MAIN FRAME ASSEMBLY



NOTE :-  
When ordering replacement parts quote Part No. and Serial No. of machine.

Ref.No.	Part No.	No. Off.	Description	Ref.No.	Part No.	No. Off.	Description
1	C-1026/10	2	Foot for base	19	C-1026/5	2	Extension table
2		16	3/8" cadmium washer	20	A-1026/51	4	Fence slide bar distance piece
3		15	3/8" whit x 3/4" long hexagon head cadmium bolt	21		4	3/16" whit locknut
4		6	Filletts for base	22		4	3/16" whit x 1/2" long nicked grubscrew
5	D-1026/11	1	Base	23	C-1030/9	1	Finger Plate
6	44 ADS	1	MEM Starter (2HP, 50 Cycles)	24	B-1026/40	1	Fence front slide bar (Std.)
	84 ADS	1	MEM Starter (3HP, 50 Cycles)		B-1026/180	1	Fence front slide bar (50" capacity)
	ZT3	1	Brook Starter (1 phase, under 220 volts)	25	B-1026/41	1	Fence back slide bar (Std.)
	AT3	1	Brook Starter (1 phase, over 220 volts)		B-1026/177	1	Fence back slide bar (50" capacity)
	AT3	1	Brook Starter (2 & 3HP, 60 Cycles)	26	B-1026/58	1	Saw guard
7		2	Special fillet for base	27		1	3/8" whit x 1/2" long hexagon head bolt
8		6	5/16" whit x 3/4" long hexagon head cadmium bolt	28	A-1026/60	1	Riving knife distance piece
9	C-1026/7	2	Trunnion trapping plate	29		1	3/8" whit x 1 1/4" long stud
10		4	3/8" whit x 1 1/4" long hollow capscrew	30	B-1026/222	1	Riving knife
11		2	1/8" whit x 3/8" long round head screw	31	Patt. No. 32	1	1 3/4" dia light plastic handwheel
12	B-1026/17	1	Angle indicator rule	32		1	3/8" whit, blind
13		2	3/8" whit cadmium nut	33	A-1026/59	1	3/8" dia x 1 1/2" long groverlok spring dowel
14		2	3/8" whit x 1 1/2" long nicked grubscrew	34	D-1026/207	1	Saw guard pivot
15		4	3/8" whit nut	35	C-1026/211B	1	Main table
16		10	3/8" BSF Washer	36	C-1026/211A	1	Fingerplate for 6" dia dado set
17		4	3/8" whit x 1, 3/8" long stud	37	C-1026/211A	1	Fingerplate for 6" dia wobble saw
18		6	3/8" whit x 1 1/4" long hexagon head bolt	38	D-1026/1M	1	Fingerplate for 4, 7/8" dia cutterblock
				39		2	Main Frame
							3/4" bore x 7/8" o/d x 3/4" long oilite bush

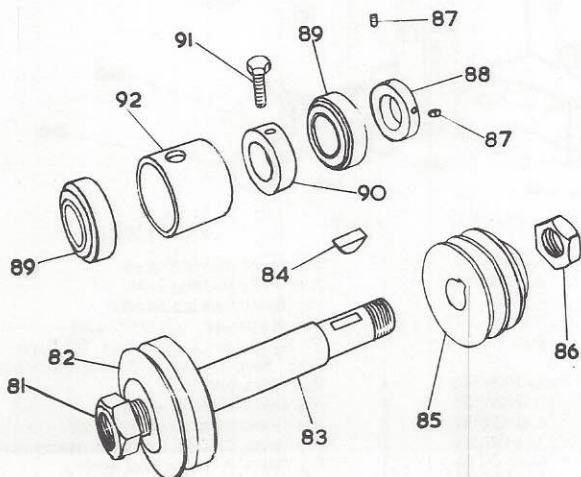


### TRUNNION ASSEMBLY.

NOTE:-  
When ordering replacement parts quote part no. and serial number of the machine.

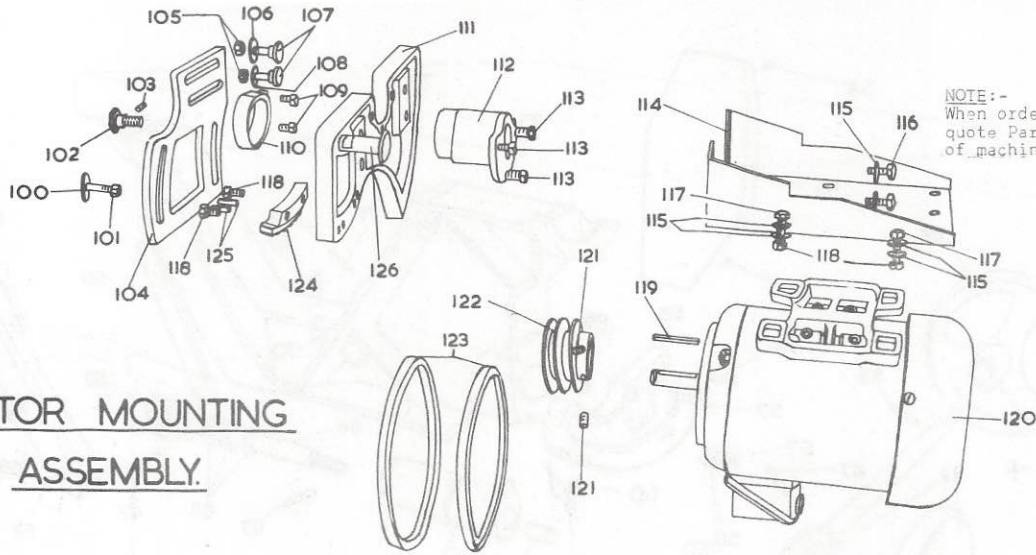
Ref.No.	Part No.	No. Off	Description	Ref.No.	Part No.	No. Off	Description
40	5555-37	2	Grip ring circlips "Truarc"	56		2	5/16" dia x 1 1/4" long groverlok spring dowel
41	A-S-101	2	Spindle for 3" plastic handle	57		4	3/8" whit x 1 1/4" long hexagon head cadmium bolt
42	Patt No. 4	2	3" plastic handles	58	D-1026/15	1	Racked quadrant for R & F
43	Patt No. 14	2	2" dia plastic handwheel, 1/2" whit T. R. T.	59	A-1026/33	1	1/4" gas pipscrew
44	A-1026/22	2	Washers for handwheel	60		1	1/4" whit x 3/8" long round head screw
45	B-1026/8	2	6" dia dished handwheel	61	A-1026/72	1	Angle indicator pointer
46	A-1026/29	1	Canting shaft collar (without 3/8" whit hole)	62		2	3/4" bore x 7/8" o/d x 3/4" long oilite bush
47		3	3/16" dia x 1 1/4" long groverlok spring dowel	63	B-1026/6	1	Rise and fall shaft bearing
48	A-1026/65	2	Fibre washer for canting shaft	64	B-1026/20	1	Rise & fall shaft
49		1	3/8" whit x 1/2" long socket set screw	65	EW 3/4"	1	Hofmann thrust race
50	A-1026/29	1	Canting shaft collar (with 3/8" whit hole)	66		4	1/4" whit locknut
51	B-1026/21	1	Canting shaft	67		4	1/4" whit x 1 1/4" long square head bolt
52	A-1026/32	2	Worms	68	B-1026/9	1	Motor bracket trapping piece
53		2	3/16" dia x 1 1/2" long groverlok spring dowel	69	A-1026/24	1	Retaining strip for slide bracket
54		2	1/4" whit x 1/2" long hexagon head cadmium bolt	70		1	1/4" whit nut
55	B-1026/13	1	Chip deflector	71		1	1/4" whit x 1 1/4" long nicked grub screw
				72		2	1/8" gas x 1/2" long socket set screw
				73	D-1026/2	1	Trunnion bracket

### SAW SPINDLE ASSEMBLY.



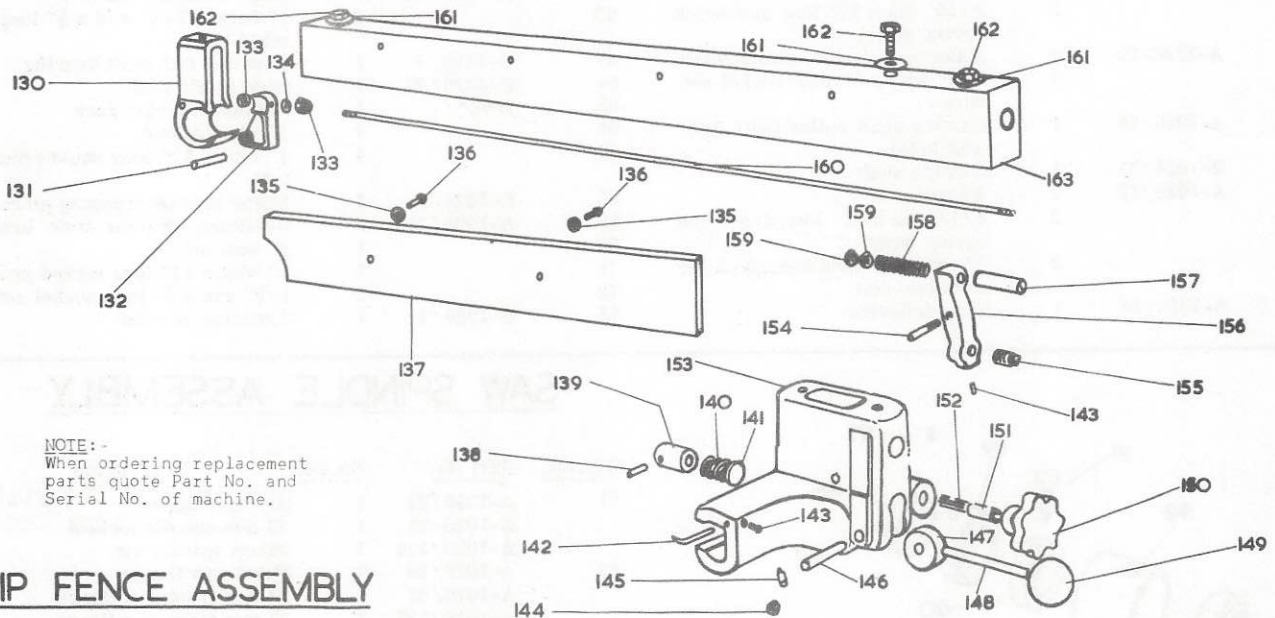
NOTE :-  
When ordering replacement parts quote Part No. and Serial No. of machine.

Ref.No.	Part No.	No. Off	Description
81	A-1026/34	1	Saw spindle nut
	A-1026/74	1	20 mm spindle locknut
	A-1026/124	1	25mm spindle nut
82	A-1026/26	1	Front saw flange
	A-1026/93	1	20 mm front saw flange
	A-1026/125	1	25 mm front saw flange
83	C-1026/25	1	saw spindle
	C-1026/86	1	20mm saw spindle
	C-1026/123	1	25 mm saw spindle
84		1	3/16" woodruff key
85	B-1026/30	1	Spindle pulley (For all frequencies)
86		1	5/8" B.S.F. Nut
87		2	1/4" whit x 3/8" long socket set screw
88	A-1026/28	1	Spindle locking collar
89	6203-2RS	2	S, K, F Sealed bearings
90	A-1026/29	1	Spindle trapping collar
91		1	3/8" whit x 1" long hexagon head cadmium bolt
92	A-1026/27	1	Saw spindle distance piece



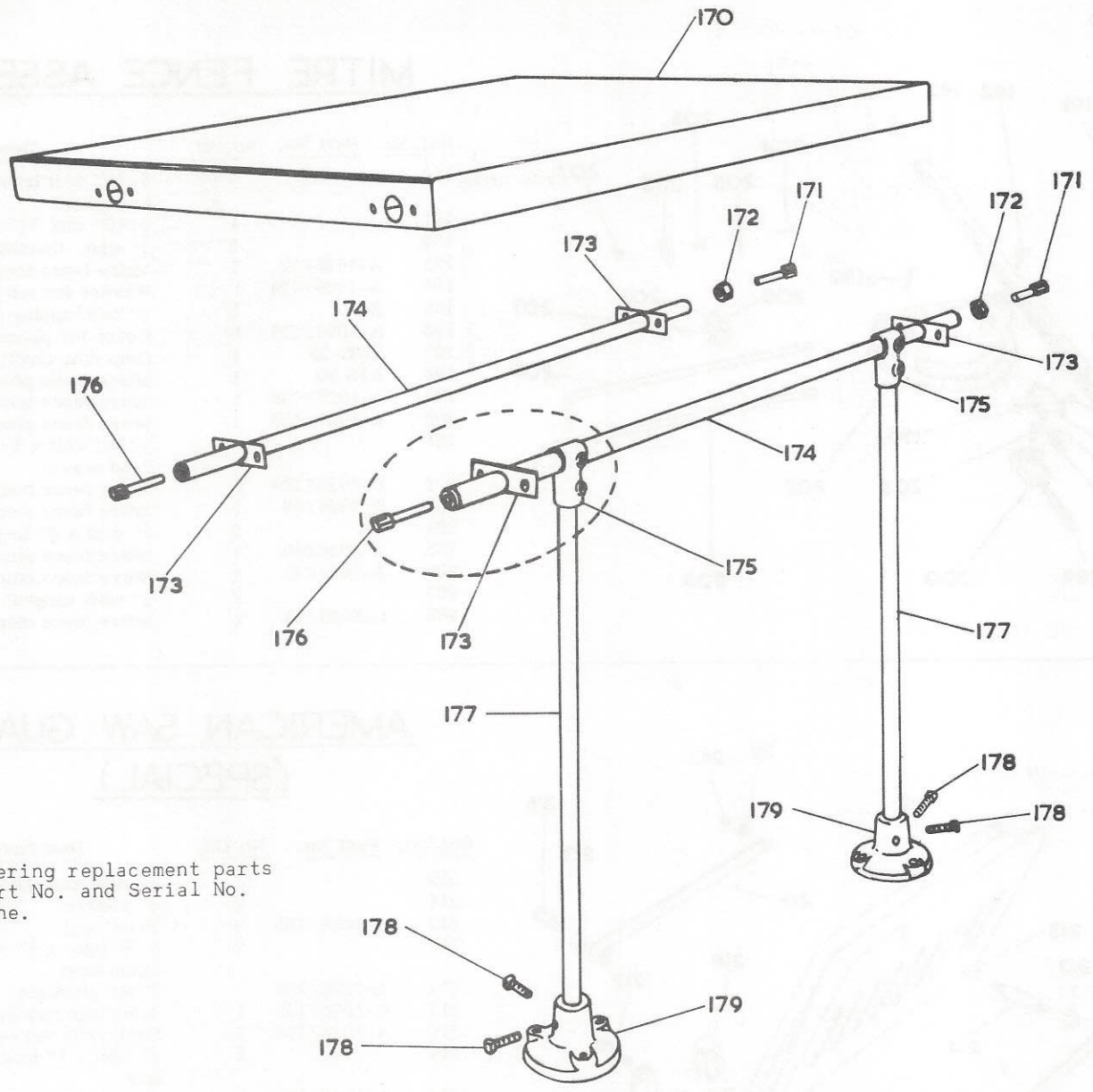
## MOTOR MOUNTING ASSEMBLY.

Ref.No.	Part No.	No. off	Description	Ref.No.	Part No.	No. off	Description
100	A-1026/115	1	Riving knife bracket trapping bolt	120		1	Brook Gryphon Motor foot mounted frame T 14 T. E. F. C. 3,000 r.p.m., 2 H.P. (2 H.P., 50 cycles)
101		2	3/8" whit aerotight nut			1	Brook 66C Motor foot mounted T. E. F. C. 3,000 r.p.m. 2H.P. (2H.P., 1 phase, 50 cycles)
102	A-1026/212	1	Rear trapping bolt for riving knife bracket			1	Brook Gryphon motor foot mounted frame T14 T. E. F. C. 3,600 r.p.m. 2 H.P. (2H.P. 60 cycles)
103		1	1/4" whit x 3/8" long socket head grubscrew			1	Brook 66BB motor foot mounted T. E. F. C. 3,000 r.p.m. 3 H.P. (3 H.P. 50 cycles)
104	C-1026/113	1	Riving knife bracket			1	Brook 66BB motor foot mounted T. E. F. C. 3,600 r.p.m. 3 H.P. (3 H.P. 60 cycles)
105		2	3/8" whit nut	121		2	5/16" whit x 1/2" long socket head grubscrew
106	A-1032/22	1	Riving knife washer	122	B-1026/31	1	Motor Pulley (2 H.P. 50 cycles, 3 H.P. 50 cycle, 1 phase, 50 cycles)
107	A-1026/95	2	Bolts for riving knife	123	B-1026/30	1	Motor pulley (2 & 3 H.P., 60 cycles)
108		1	3/8" washer	124	C-1026/14	1	Racked Quadrant for rise and fall
109		2	5/16" whit x 3/4" long socket head capscrew	125		2	5/16" x 1" long groverlok spring dowel
110	B-1026/114	1	Riving knife pivot bracket	126	A-1026/23	1	Pivot pin for slide bracket
111	C-1026/102	1	Slide bracket				
112	B-1026/101	1	Spindle housing				
113		3	3/8" whit x 1" long cadmium hexagon head bolt				
114	C-1026/12	1	Motor platform.				
115		12	3/8" cadmium washer				
116		4	3/8" whit x 3/4" long cadmium hexagon head bolt				
117		4	3/8" whit cadmium nut				
118		6	3/8" whit x 1 1/4" long cadmium hexagon head bolt				
119		1	3/16" wide x 1 1/4" long key				

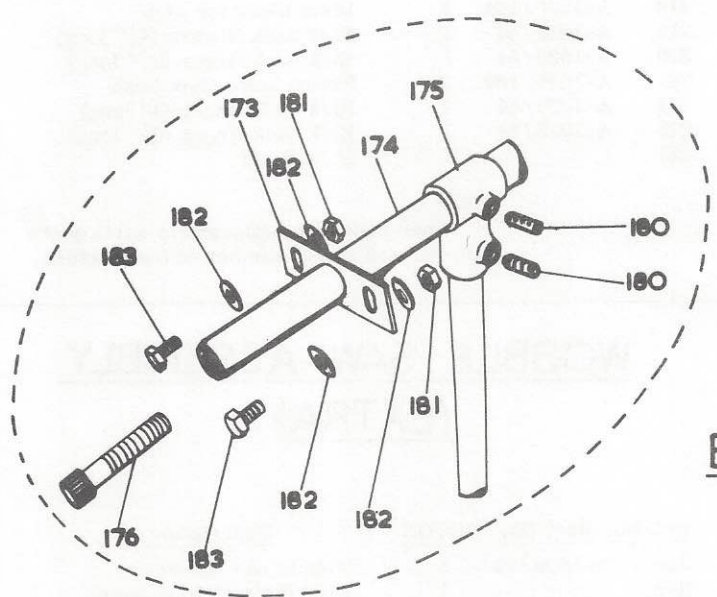


## RIP FENCE ASSEMBLY

Ref.No.	Part No.	No. off	Description	Ref.No.	Part No.	No. off	Description
130	B-1026/36	1	Rip fence back bracket	146	A-1026/56	1	Rip fence cam pivot pin
131		1	3/8" dia x 1 3/4" long groverlok spring dowel	147	A-1026/43	1	Rip fence locking cam
132	B-1026/37	1	Rip fence back lock	148	A-1026/53	1	Rip fence locking handle
133		2	1/4" whit aerotight nut	149	Patt No. 28	1	1 1/4" dia plastic ball, 3/8" whit
134		1	1/4" double coil spring washer	150	Patt No. 14	1	2" dia plastic handwheel 5/16" bore
135		2	1/4" washer	151		1	5/16" bore x 1/2" o/d x 3/4" long oilite bush
136		2	1/4" whit x 2 1/4" long round head screw	152	A-1026/42	1	Rip fence pinion
137	B-1026/111	1	Rip fence plate ( Special)	153	D-1026/35	1	Rip fence front bracket
138		1	1/4" dia x 3/4" long groverlok spring dowel	154	A-1026/55	1	Rip fence locking lever pivot
139	A-1026/48	1	Rip fence locking plunger bush	155	A-1026/44	1	Rip fence locking lever adjusting screw
140	A-1026/49	1	Rip fence locking plunger spring	156	A-1026/38	1	Rip fence front locking lever.
141	A-1026/47	1	Rip fence locking plunger	157	A-1026/46	1	Rip fence connecting rod nut
142	A-1026/54	1	Rip fence pointer	158	A-1044/69	1	Spring for fence locking bar
143		2	1/4" whit x 3/8" long socket set screw	159		2	1/4" whit locknut
144		1	3/8" whit locknut	160	A-1026/45	1	Rip fence connecting rod.
145	A-1026/50	1	Rip fence locking plunger pipscrew	161		3	3/8" bright cadmium washer
				162		3	3/8" whit x 3/4" long hexagon head bright cadmium bolt
				163	C-1026/39	1	Rip fence body



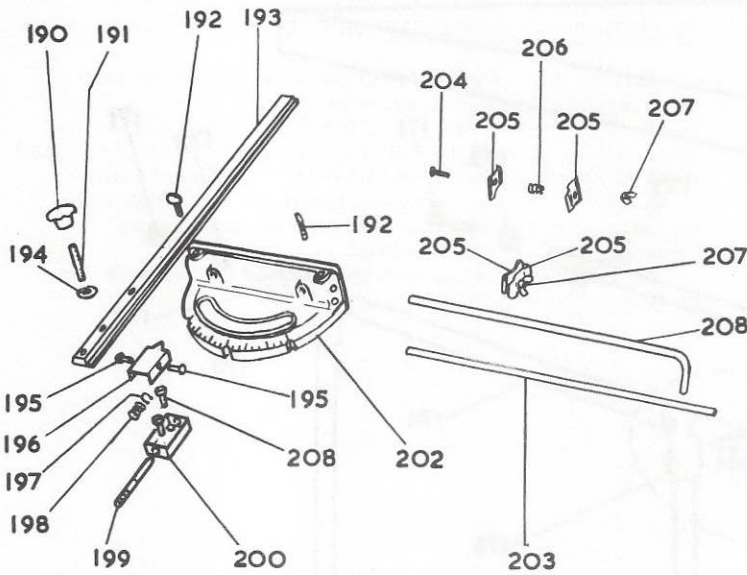
NOTE:-  
When ordering replacement parts  
quote Part No. and Serial No.  
of machine.



## SHEET METAL EXTENSION TABLE ASSEMBLY.

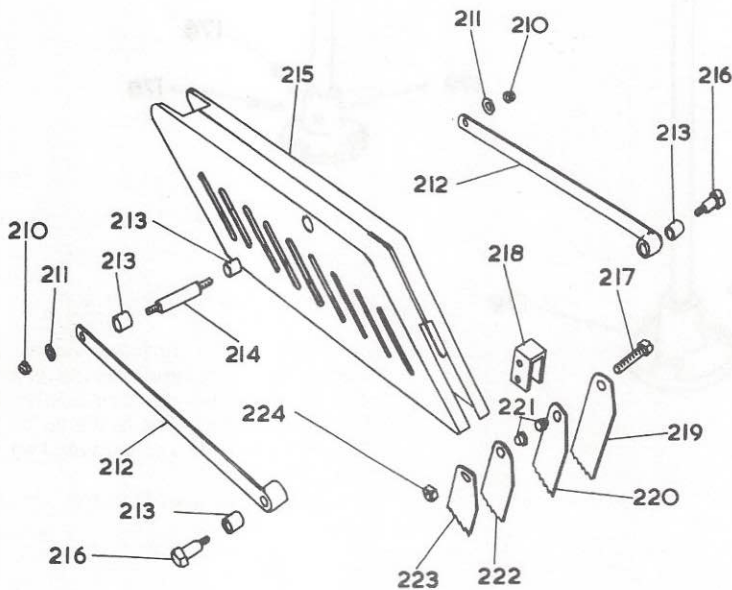
Ref.No.	Part No.	No. off	Description	Ref.No.	Part No.	No. off	Description
170	C-1026/79	1	Sheet steel extension table. (50" capacity)	178		4	3/8" whit x 3/4" long square head bolt.
171		2	3/8" whit x 1 1/4" long hollow cap-screw	179	A-1026/85	2	Support foot for sheet steel extension table.
172		2	3/8" whit nut	180		4	3/8" BSF x 3/8" long socket set screw
173	A-1026/80	4	Extension table adjuster plates	181		8	1/4" whit nut
174	A-1026/83	2	Extension table tie bars	182		16	1/4" washer
175	B-1026/99	2	Tee filloe for extension table	183		8	1/4" whit x 1/2" long hexagon head bolt.
176		2	3/8" whit x 1 1/4" long hollow cap-screw				
177	A-1026/84	2	Support leg for sheet steel extension table.				

## MITRE FENCE ASSEMBLY.



Ref.No.	Part No.	No. Off	Description
190		1	5/16" whit bore x 1 3/4" dia plastic handwheel
191		1	5/16" whit 1 1/2" long stud
192		2	1/4" whit. thumbscrew
193	A-1026/70	1	Mitre fence tongue
194	A-1026/174	1	Washer for mitre fence
195	Z4	2	1/4" self tapping screw
196	A-1026/227	1	Cover for plunger bracket
197	5103-25	1	Grip ring circlip
198	ETS 30	1	Mitre fence plunger spring
199	A-1026/226	1	Mitre fence location pin
200	A-1026/220	1	Mitre fence plunger bracket
201		2	3/16" whit x 3/8" long cheese head screw
202	D-1026/219	1	Mitre fence body
203	B-1026/69	1	Mitre fence stop rod (Straight)
204		2	1/4" whit x 3/4" long coach bolt
205	A-1026/68	4	Mitre fence stop plate
206	A-1026/73	2	Mitre fence stop plate spring
207		2	1/4" whit wingnut
208	B-1026/69	1	Mitre fence stop rod (cranked)

## AMERICAN SAW GUARD (SPECIAL).

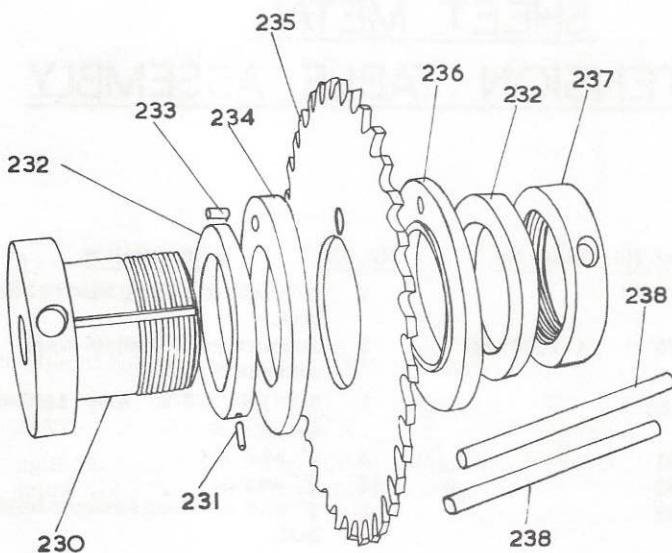


Ref.No.	Part No.	No. Off.	Description
210		2	1/4" whit aerotight nut
211		2	1/4" washer
212	A-1026/105	2	Pivot arm
213		2	3/8" bore x 1/2" o/d x 1/2" long nylon bush
214	A-1026/108	1	Front pivot pin
215	C-1026/103	1	American saw guard
216	A-1026/107	2	Back pivot screw
217		1	1/4" whit x 1" long hexagon head bolt
218	A-1026/104	1	Pivot block for arm
219	A-1026/64	1	Kick back fingers (4 1/2" long)
220	A-1026/64	1	Kick back finger (3 3/4" long)
221	A-1026/109	2	Riving knife pivot bush
222	A-1026/64	1	Kick back finger (3" long)
223	A-1026/64	1	Kick back finger (2 1/4" long)
224		1	1/4" whit nut

NOTE :-

When ordering replacement parts quote part no. and serial number of the machine.

## WOBBLE SAW ASSEMBLY (EXTRA)



Ref.No.	Part No.	No. Off	Description
230	A-1026/89	1	Wobble saw adaptor
231		1	1/8" dia x 1/2" long dowel
232	A-1792/130	2	Small wobble saw collar
233		1	1/4" dia x 3/8" long fluted dowel
234	A-1792/129	1	Large plain wobble saw collar
235	B-S-71B	1	6" dia wobble saw
236	A-1792/128	1	Large spigotted wobble saw collar
237	A-1792/131	1	Wobble saw locknut
238	A-1792/135	2	Wobble saw toggle bar

Note :-

When ordering replacement parts quote part No. and Serial No. of machine.

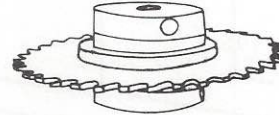
## EXTRA EQUIPMENT.

### EXPANDING GROOVING SAW OR DADO HEAD.

This is recommended for giving a smooth finish when grooving either with or across the grain in hard or soft wood. It comprises of 2 - 6" (152.4 mm) diameter outer saws, 1 - 1/4" (6 mm) 2 - 1/8" (3 mm) and 1 - 1/16" (1.5 mm) inner cutters for grooves up to 13/16" (20.6 mm) wide.

A special screwed front saw flange re. No. 1026/77 is necessary for securing this head onto the saw spindle and should be ordered with this head.

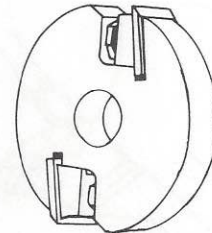
An aluminium table insert is available for use with this head ref. No. 1026/211B



### WOBBLING OR GROOVING SAW.

This saw can be set to cut any width of groove between 1/8" to 5/8" (3 mm to 15.8 mm) and can be removed from the spindle without disturbing the setting, once set the saw and collars remain tightly locked on a screwed sleeve. Maximum depth of cut is 1" (25.4 mm)

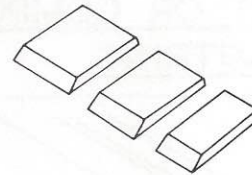
An aluminium table insert is available for use with this saw ref. No. 1026/211A



### TWO KNIFE WEDGE TYPE CUTTERBLOCK TYPE QR 200

This cutterblock is of simple design and made from Nickel Chrome steel for strength. Wedge type clamping of the cutters ensures maximum safety. The wedges and screws are easily removed for cleaning or replacing when worn. The block is 4. 7/8" (124 mm) diameter x 3/4" (19 mm) wide and carries two 5/32" (4 mm) or 1/4" (6 mm) thick cutters.

An aluminium table insert is available for use with this block ref. No. 1026/211A

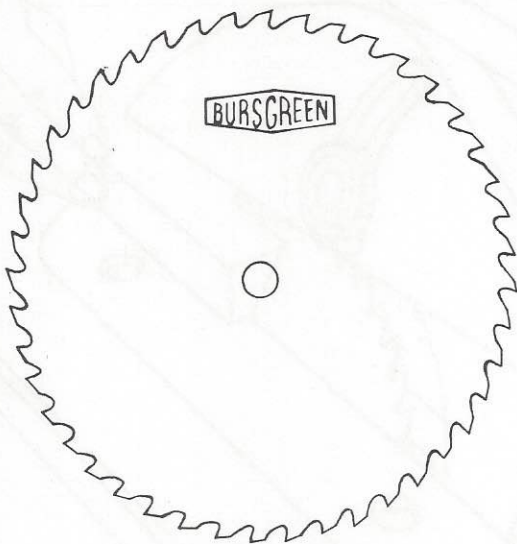


### SQUARE EDGE CUTTERS FOR CUTTERBLOCK TYPE VZ

Width on cut Part No.	Solid high speed steel.		
		3/4"	1"
	VZ	VZ1	VZ2
Width on cut Part No.	Tungsten Carbide Tipped.		
		3/4"	1"
	VZ/T	VZ1/T	VZ3/T

Width on cut Part No.	High speed steel welded to mild steel.		
		3/4"	1"
	VZ2	VZ21	VZ22

Solid High Speed Steel in widths up to 3" (76 mm) and High Speed Steel welded to mild steel in widths up to 2" (50.8 mm) available in the bar.



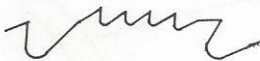
BS 96 10" Dia. BS 198 12" Dia.

A general purpose rip saw for hard or soft woods



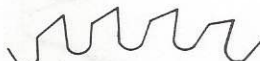
BS 97 10" Dia. BS 199 12" Dia.

For crosscutting or ripping with an exceptionally smooth finish.



BS 100 10" Dia. BS 202 12" Dia

As above but hollow ground



BS 98 10" Dia. BS 200 12" Dia.

A general purpose crosscut saw.

BS 99 10" Dia. BS 201 12" Dia.

A general purpose hollow ground crosscut saw



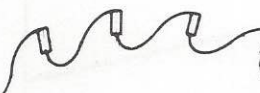
QS 173

For plastic materials



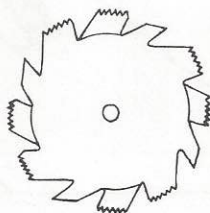
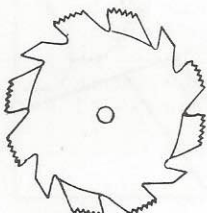
QS 173 T

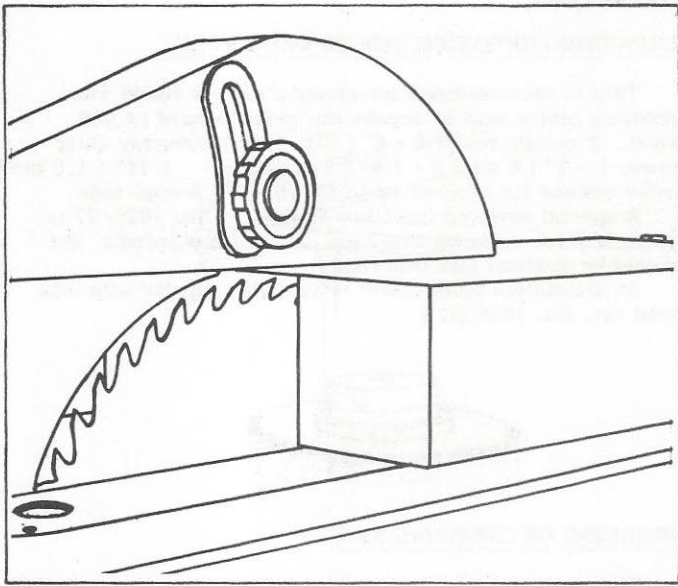
As above but tungsten Carbide tipped teeth



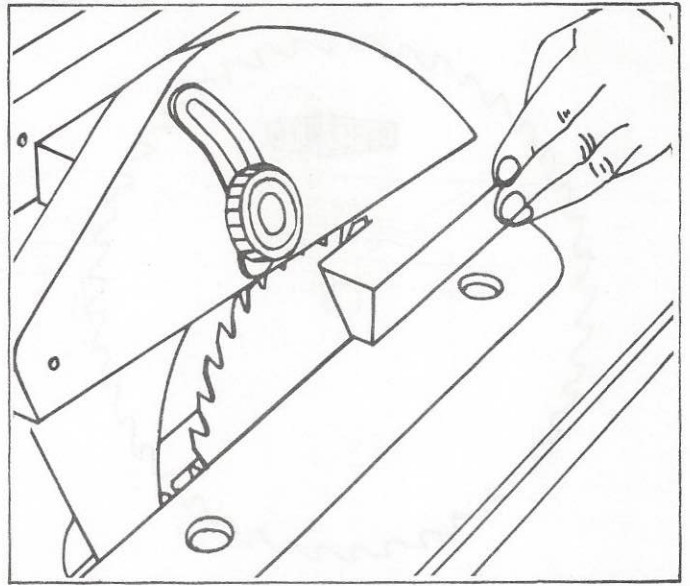
QS 150, 10" (254mm) dia  
Tungsten carbide tipped teeth on saw. Not to be used for deep cutting.

This is our standard range of saws, normally available from stock. Hollow ground saws require no setting, give minimum saw kerf or wastage and ensure exceptionally clean finish. They are usually a little more difficult to maintain than spring set saws and require a slower rate of feed.

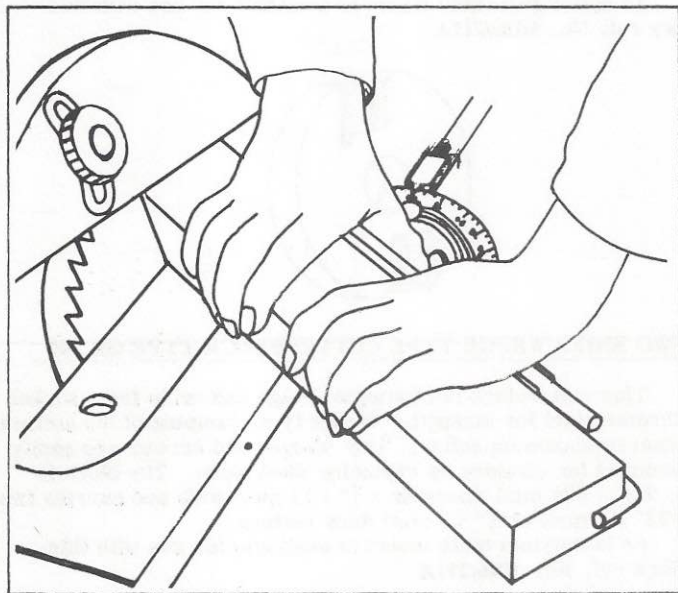




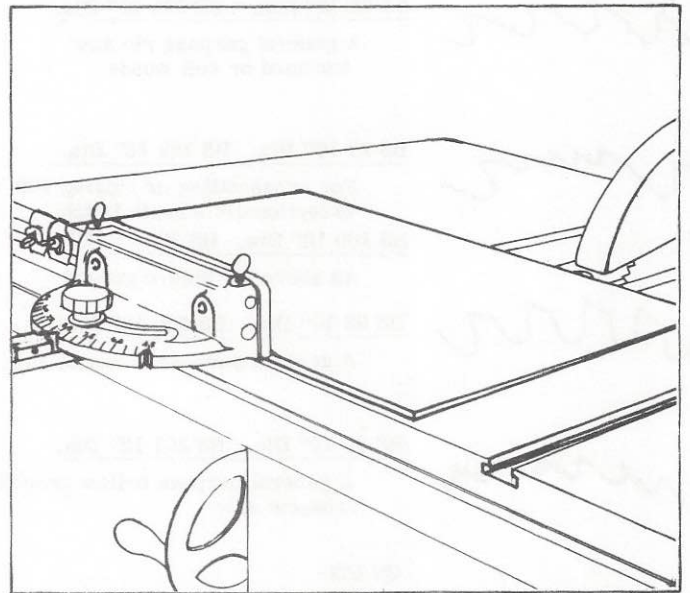
STRAIGHT RIPPING



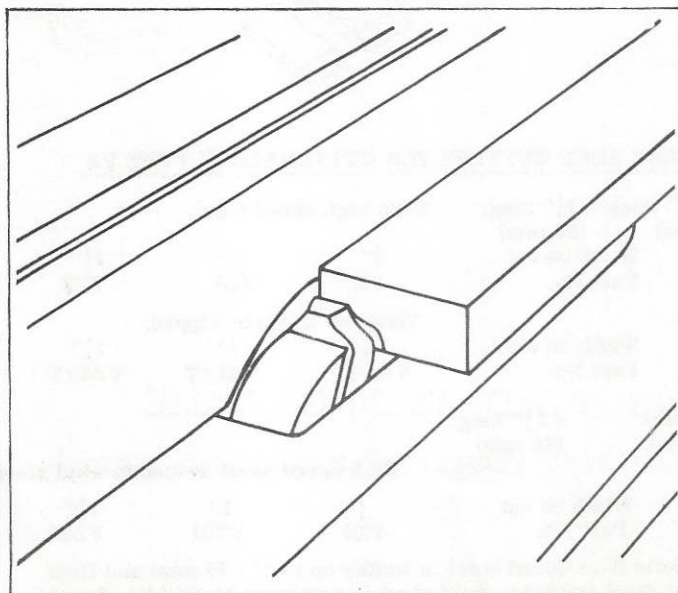
BEVEL RIPPING



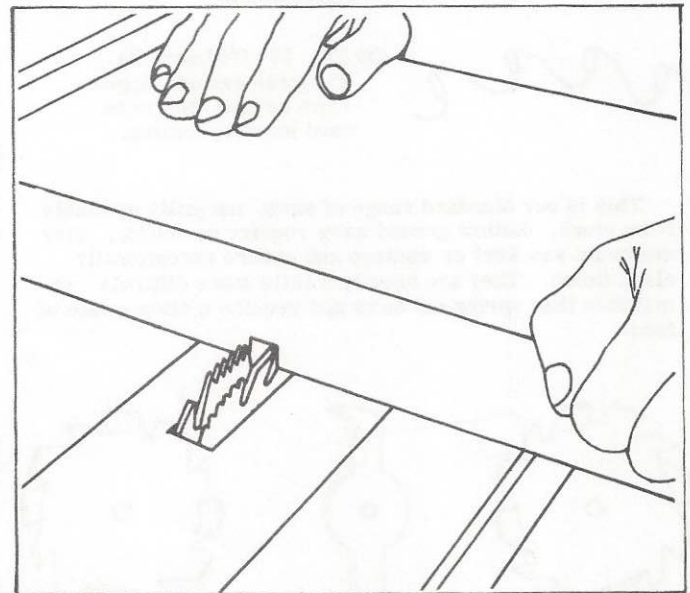
STRAIGHT OR COMPOUND MITRING.



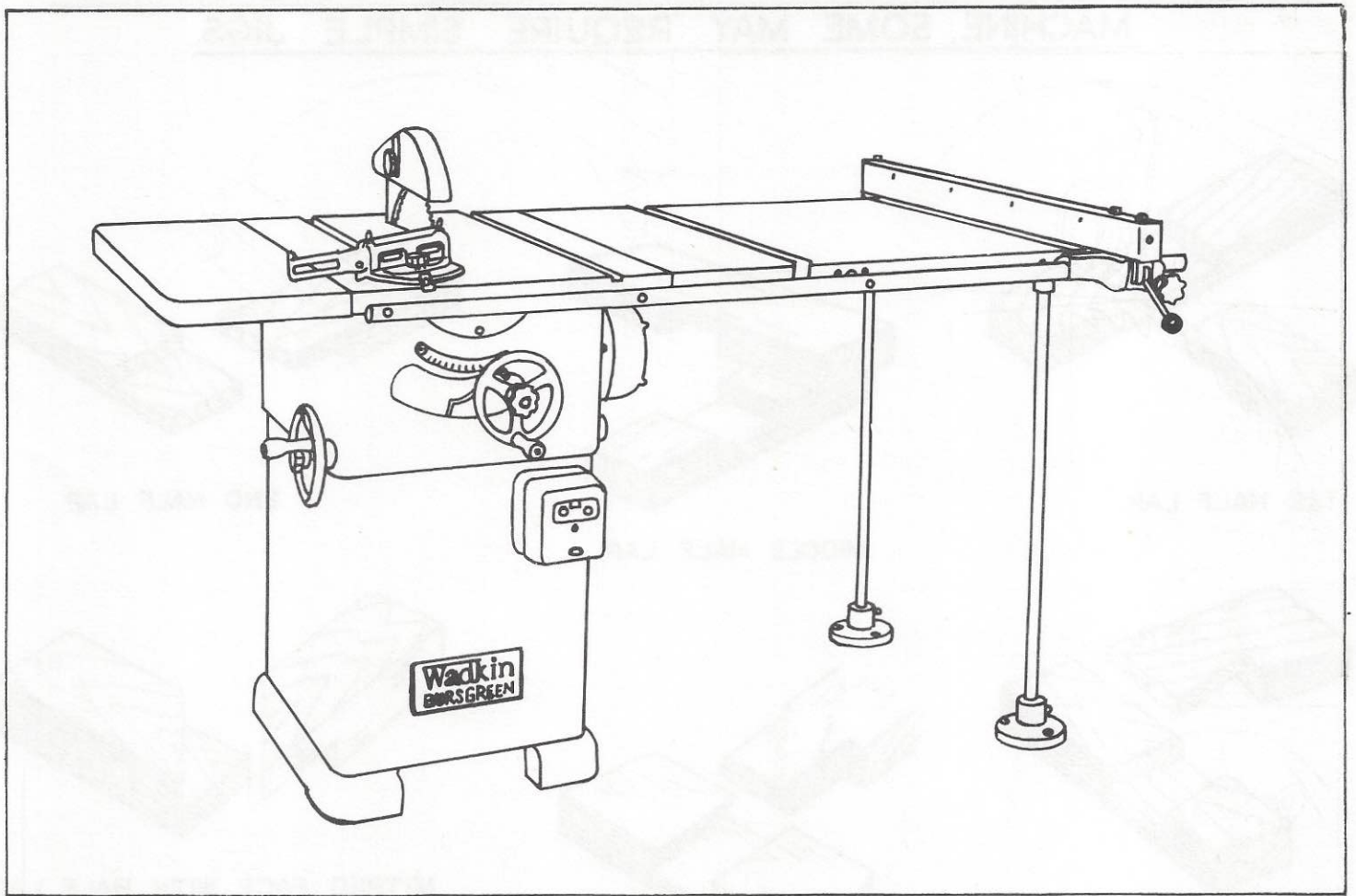
CROSSCUTTING



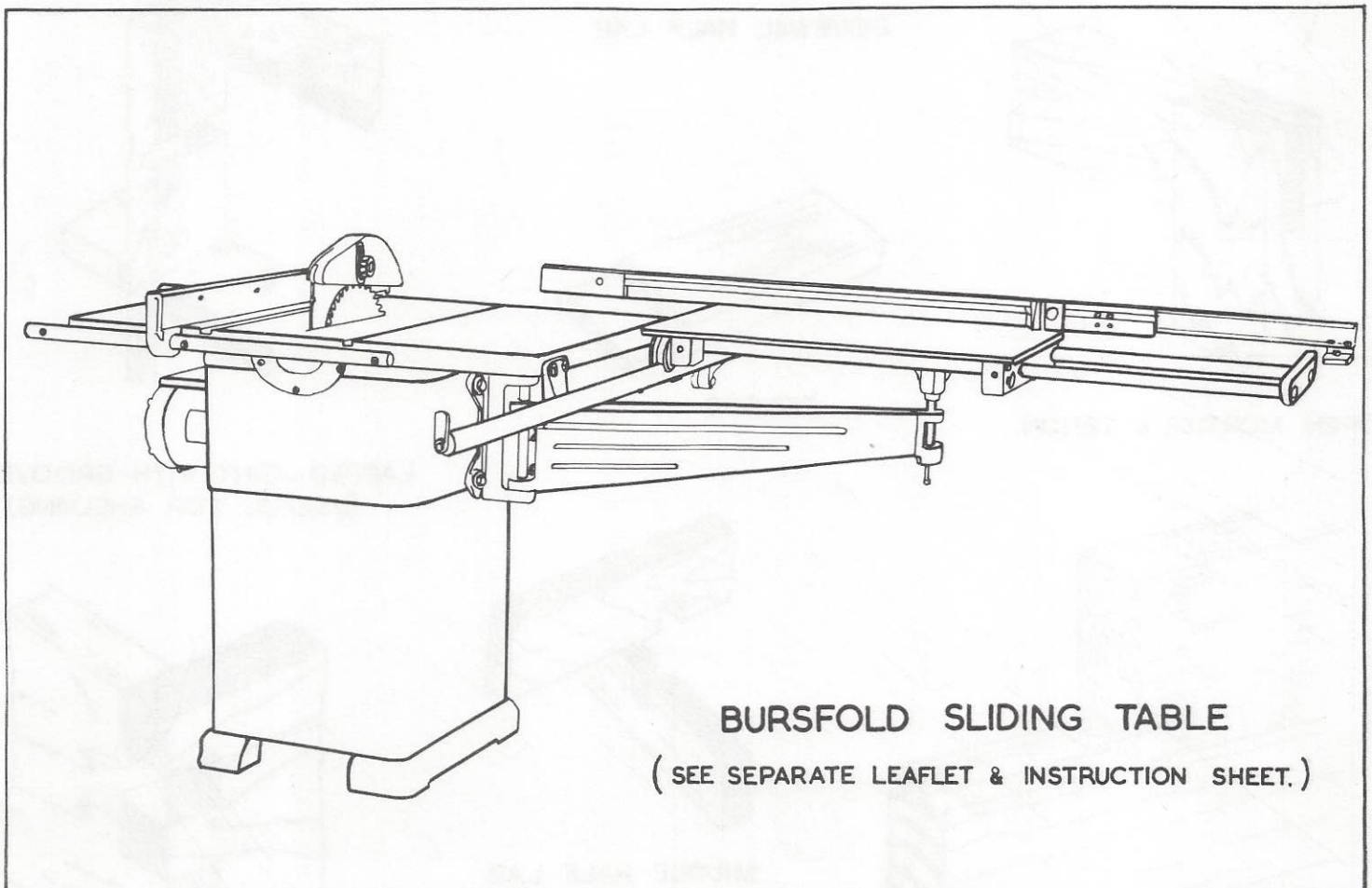
MOULDING



GROOVING OR TRENCHING



MACHINE FITTED WITH SHEET STEEL EXTENSION TABLE AND FLOOR SUPPORTS TO THE RIGHT OF SAW, TO GIVE A MAXIMUM BETWEEN SAW AND FENCE OF 50" (1270MM).

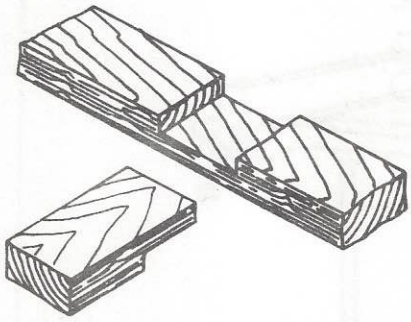


### BURSFOLD SLIDING TABLE

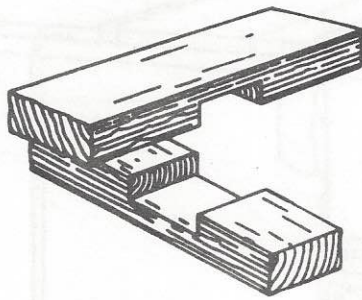
(SEE SEPARATE LEAFLET & INSTRUCTION SHEET.)

SLIDING TABLE FITTED TO THE LEFT OF SAW CONVERTS MACHINE TO AN INEXPENSIVE PANEL SAW. MAXIMUM WIDTH OF PANEL WHICH CAN BE CUT 33" X 1" (838MM X 25MM). WHEN NOT REQUIRED TABLE FOLDS OUT OF THE WAY OF THE OPERATOR.

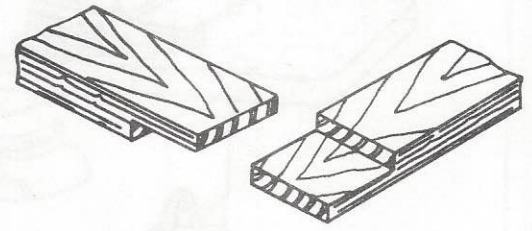




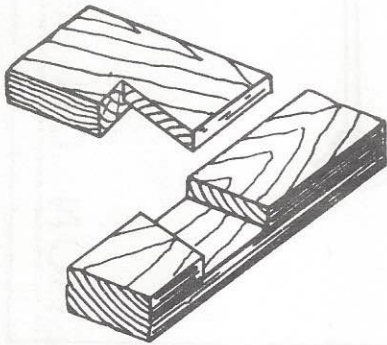
TEE HALF LAP.



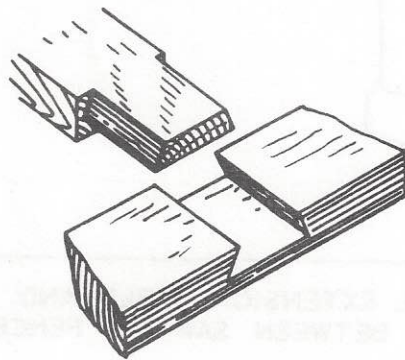
MIDDLE HALF LAP.



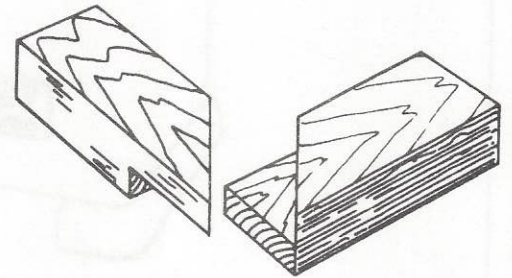
END HALF LAP.



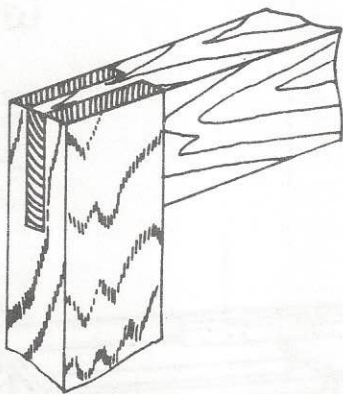
DOVETAIL HALF LAP  
(ONE SIDE ONLY).



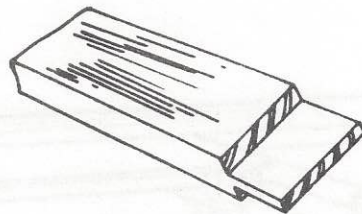
DOVETAIL HALF LAP.



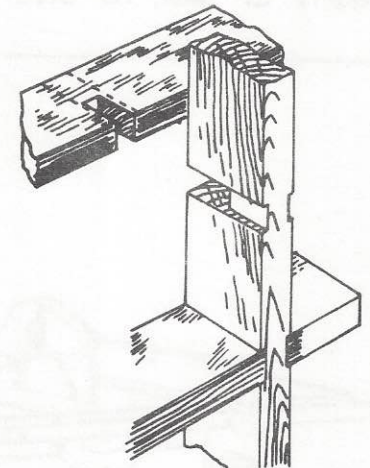
MITRED FACE WITH HALF LAP.



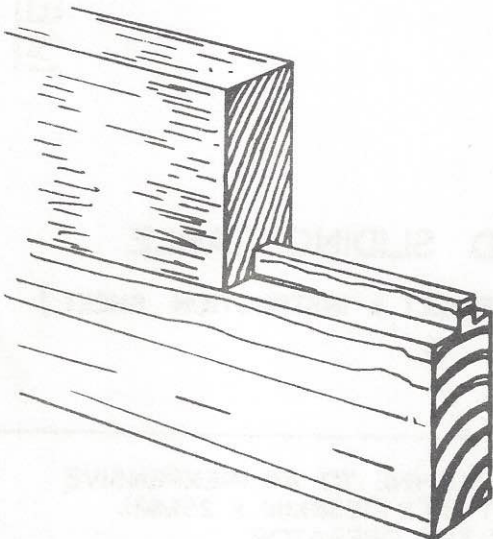
OPEN MORTISE & TENON.



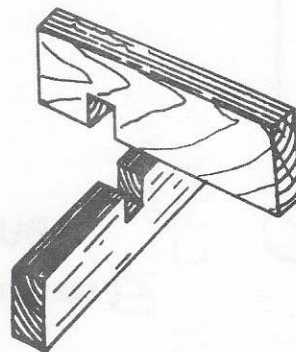
TENONS.



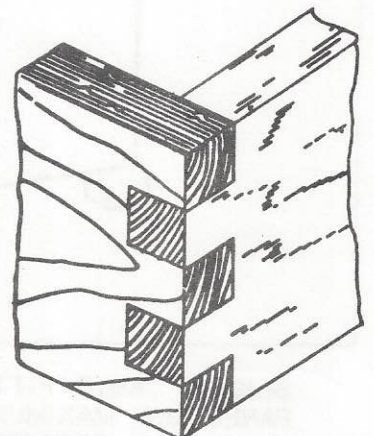
LAPPED JOINT WITH GROOVE  
(USEFUL FOR SHELVING).



TONGUE & GROOVE

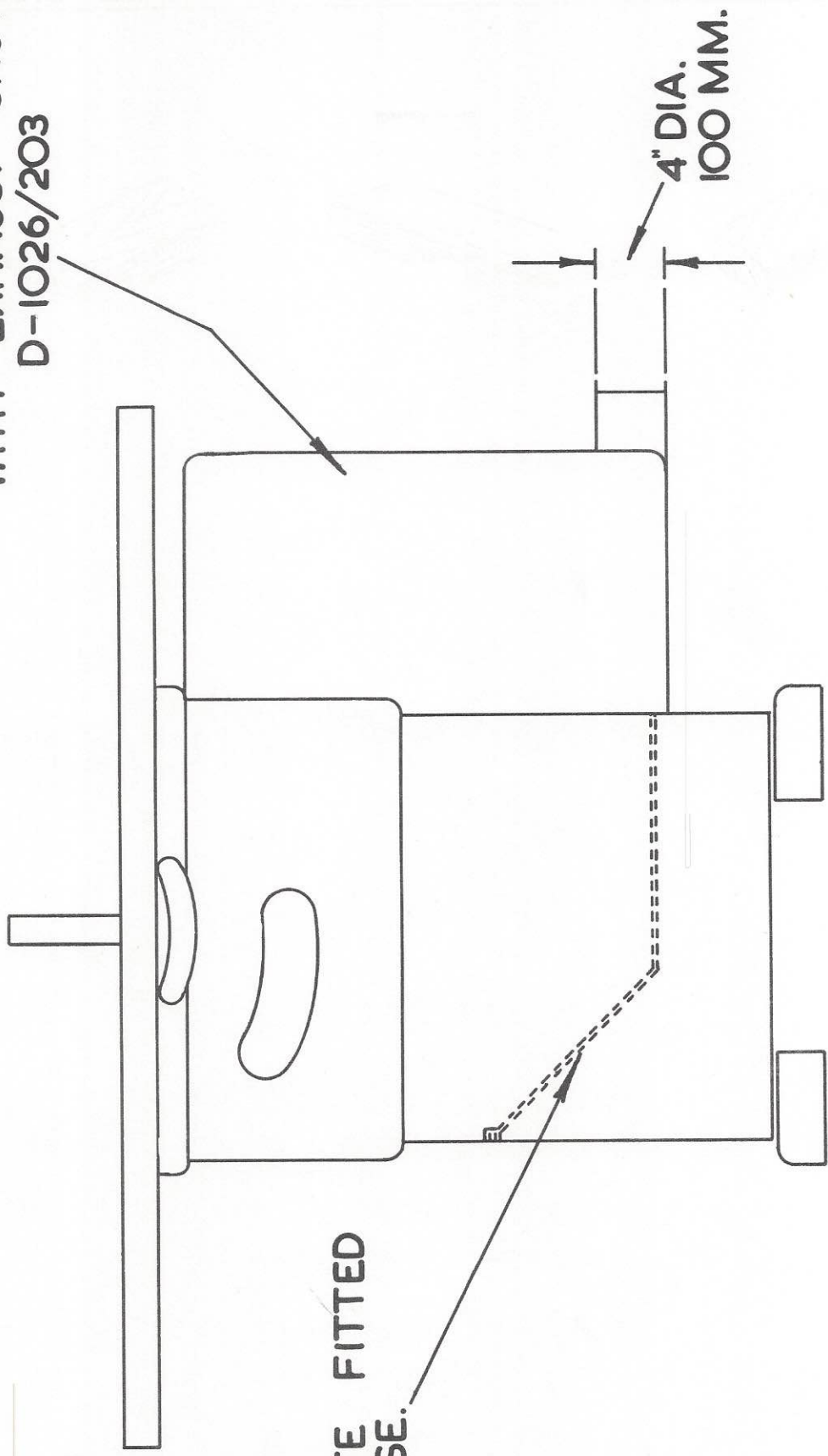


MIDDLE HALF LAP.



BOX JOINT.

SPECIAL DOOR  
WITH EXHAUST CHUTE.  
D-1026/203



SAWDUST CHUTE FITTED  
IN BASE.

4" DIA.  
100 MM.

METHOD OF DUST EXTRACTION ON 10" AGS



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