INSTRUCTION MANUAL
FOR

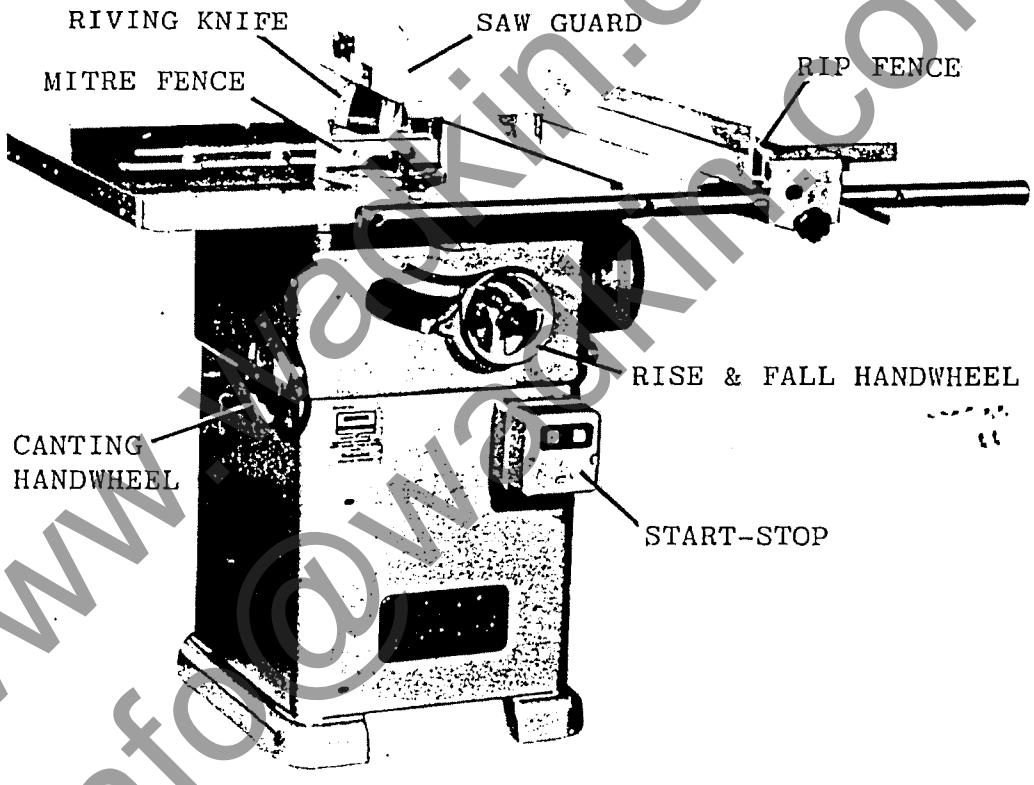
10" AGS
10" TILTING ARBOR
SAWBENCH

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

INSTRUCTION MANUAL FOR

10" AGS

Tilting Arbor Sawbench



FOR REPLACEMENT PARTS, TOOLS & ACCESSORIES
CONTACT BRIAN STACEY
Telephone: Fence Houses 2385 (5 lines) Telex: 53441 (Bursgreen Duram)

PLEASE INSERT SERIAL NUMBER OF MACHINE

BOOK No. B466M

Bursgreen (Durham) Ltd. Fence Houses, Houghton-le-Spring,
Tyne-Wear, England. DH4 5RQ

WARNING

THIS IS A 10" dia. SAWBENCH AND IS DESIGNED FOR NORMAL USE WITH 10" dia. SAWBLADES.

HOWEVER 12" dia. SAWBLADES CAN BE FITTED FOR OCCASSIONAL DEEP CUTTING ONLY.

SAFETY

1. Read Instruction Book.
2. Securely Lock Cutters.
3. Set Guards Correctly.
4. Select Correct Speed.
5. Use Feeding Devices Where Possible.
6. Refer To HSW Booklet No.41. (in UK) For Safety In The Use Of Woodworking Machinery.

HEALTH & SAFETY

SAFETY OF WOODWORKING MACHINES

Woodworking machines can be dangerous if improperly used. The wide range of work of which they are capable, requires adequate safeguarding arrangements against possible hazards.

Many injuries to machinists are caused by carelessness or failure to use the guards provided or to adjust them correctly.

WADKIN LTD., supply machinery designed for maximum safety which they believe, as a result of thorough testing, minimizes the risks inevitable in their use. It is the user's responsibility to see that the following rules are complied with to ensure safety at work:

1. The operation of the machine should conform to the requirements of the Woodworking Machines Regulations 1974. All guards should be used and adjusted correctly.

2. Safe methods of working only should be adopted as given in the Health and Safety Work Booklet No.41, "Safety in the Use of Woodworking Machines", (obtainable from Her Majesty's Stationery Office) and as advised by Wadkin Ltd.

3. Only personnel trained in the safe use of a machine should operate it.

4. Before making adjustments or clearing chips, etc., the machine should be stopped and all movement should have ceased.

5. All tools and cutters must be securely fixed and the speed selected must be appropriate for the tooling.

SAFETY IS OUR WATCHWORD BUT THE USER MUST COMPLY WITH THE ABOVE RULES IN HIS OWN INTEREST. WE WOULD BE PLEASED TO ADVISE ON THE SAFE USE OF OUR PRODUCTS.

oOo

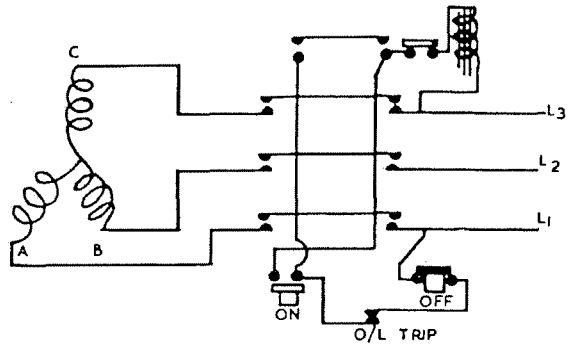
WADKIN LTD · GREEN LANE WORKS · LEICESTER LE5 4PF · ENGLAND · TELEPHONE 0533 769111
and York House, Empire Way, Wembley, Middlesex HA9 0PA
Telephone: 01-902 7714 Telex: 262210
Telex: 34646 (Wadkin Leicester)
Telegrams: Woodworker Leicester Telex

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 ¾"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.	25½"	650mm
Saw cants to right.	45°	
Ripping fence.	28"long x 4"high	720mm x 94mm
Table height.	34"	865mm
Overall dimensions with table extensions and standard fence bars.	50" x 38"	1270mm x 965mm
Horsepower of motor.	2(3phase) 1½(1 phase)	
Optional Extra.	3 (3phase)	
Approx.net weight.	392lbs	178kg.
Approx.gross weight.	514lbs	233kg.
Approx shipping dimensions.	25cu.ft.	.7m³.

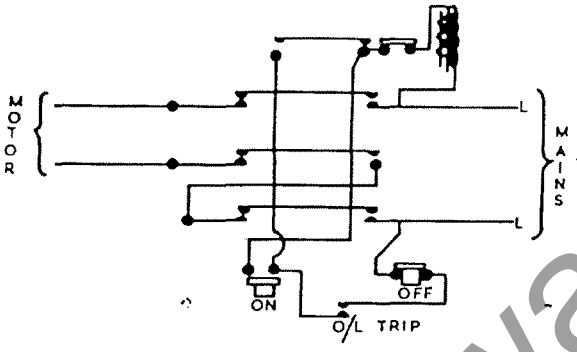
Remove protective coating from all bright parts by applying a cloth soaked in parraffin, turpentine or other solvent.

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.



WIRING DIAGRAM FOR 3 PHASE SUPPLY.

FIG. 2.



WIRING DIAGRAM FOR 1 PHASE SUPPLY

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 :-

. 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.

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 voltage drop at the starter and may damage the motor.

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.

Connect the line leads to the appropriate terminals. See fig. for three phase supply see fig. 3 for 1 phase supply.

Check all connections are sound.

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
0	3	2	23	20
0/420	3	2	25	15
0	3	2	29	10
0/250	1	2	17	65
0	3	3	21	29
0/420	3	3	23	20
0	3	3	25	15

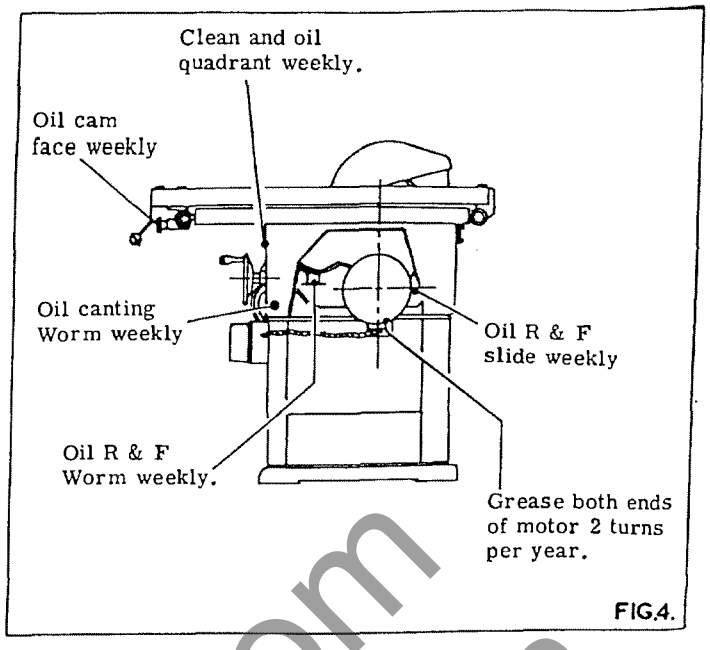


FIG.4.

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.

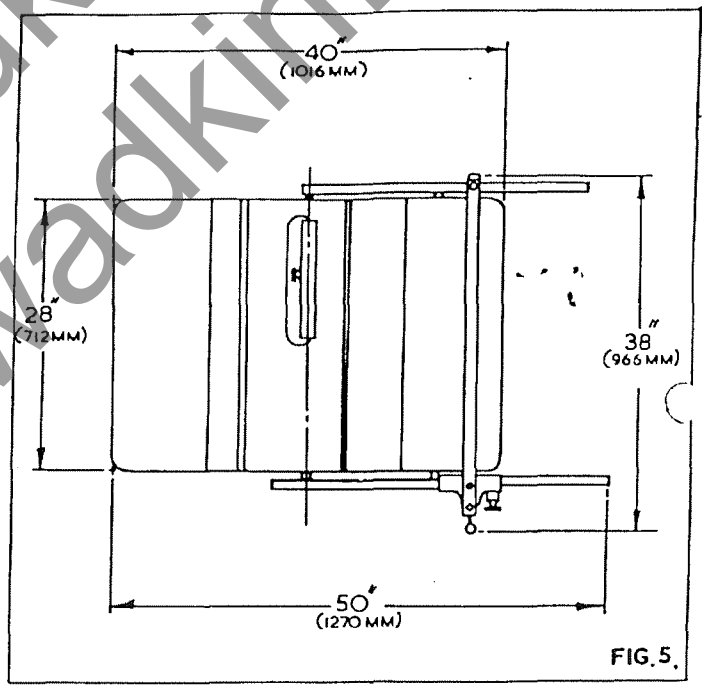


FIG.5.

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.

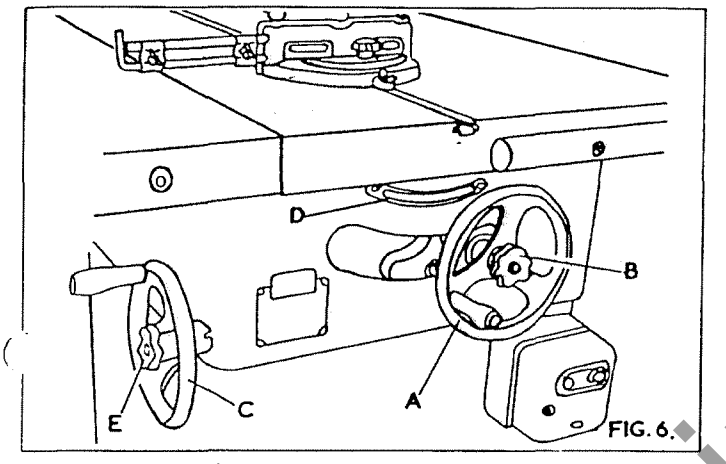


FIG. 6.

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 thesaw 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".

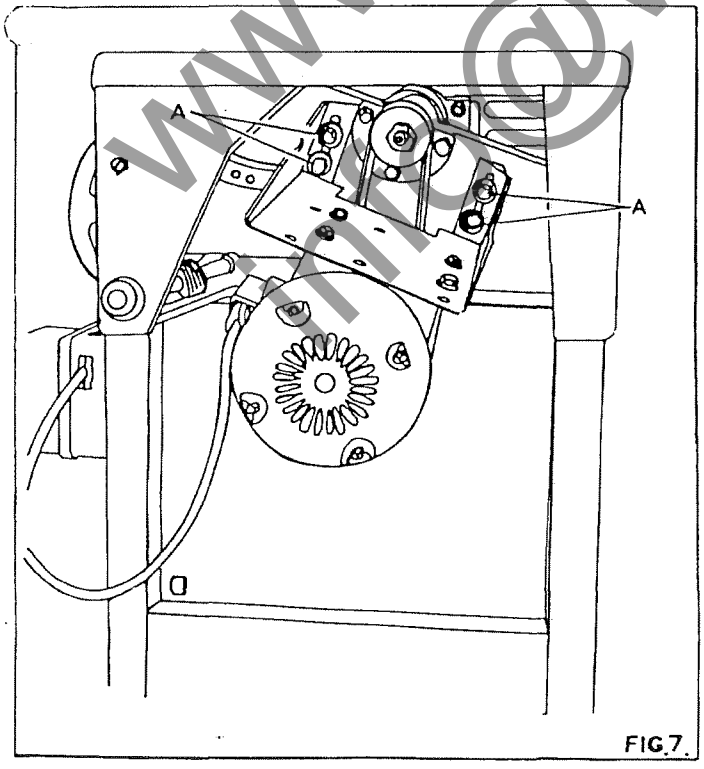


FIG.7.

All adjustments listed below have been carefully set and checked and the whole machine throughly 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".

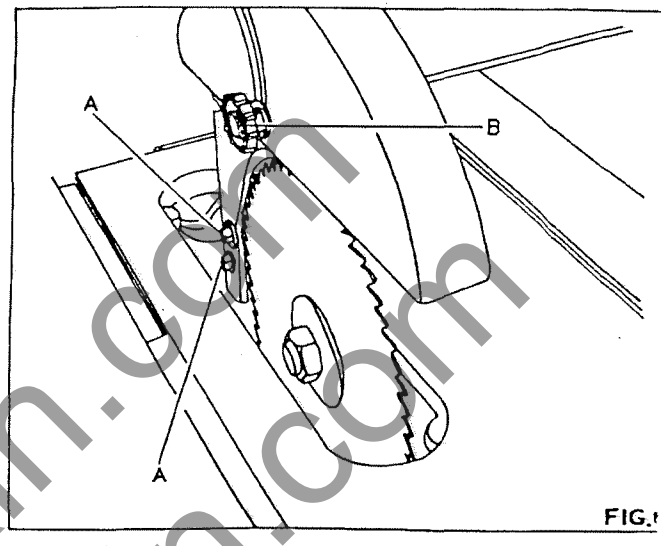


FIG.

HOW TO ADJUST GUARD AND RIVING KNIFE.

The riving knife complete with the sawguard, ris and falls with the saw. The riving knife should be set as close as practicable to the saw blade and should not exceed 12mm at the table level. To adjus the riving knife to this position, loosen the 2 - hexagon nuts "A" in Fig 8 and position riving knife where required, then relock 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 relock handwheel "B".

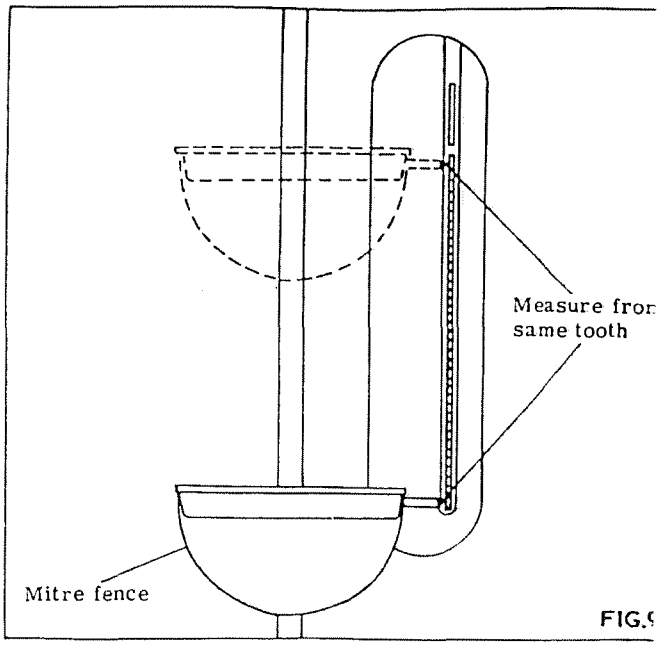


FIG.

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 reaso 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 ma 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"(25.4mm) 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.

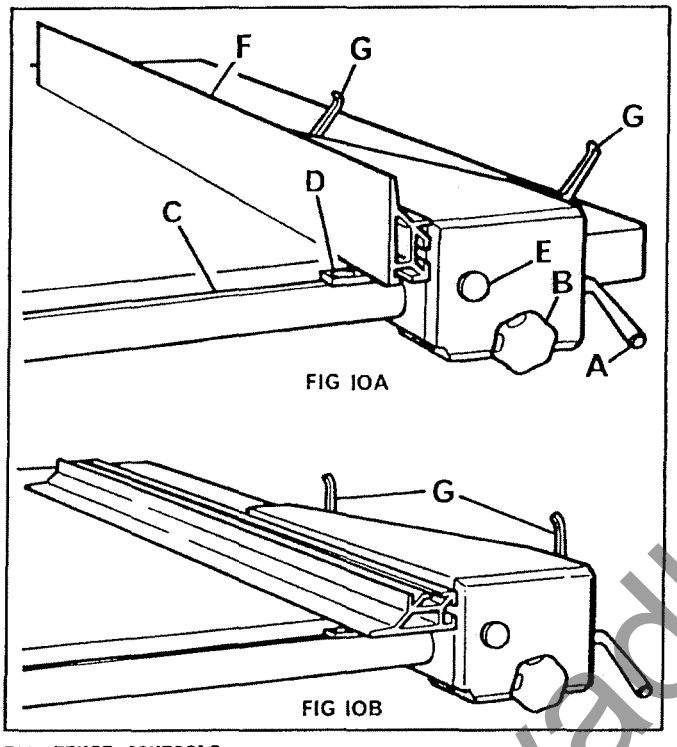


FIG 10A

FIG 10B

RIP FENCE CONTROLS.

The rip fence slides on a round bar fitted to front of table. Rapid fence adjustment and micro adjustment are provided with an effective lock.
For rapid fence adjustment follow the undermentioned procedure:
1. Lift handle "A" in fig 10A, then disengage the pinion from front racked fence bar by pulling handwheel "B" out of fence front bracket.
2. Position fence where required then depress handle "A" to lock fence in position. A ripping capacity scale on fence slide bar "C" is indicated by an adjustable pointer "D" located in the fence body and secured by knurled knob "E"
3. For micro adjustment the pinion should be engaged in the racked fence slide bar, i.e. handwheel "B" pushed into the fence front bracket.

Fence Plate Positions.

The fence plate "F" in fig.10 has 2 positions. Position shown in fig.10A is for use with deep stock. Position shown in fig.10B is for use with faced panels, melamine, veneer, etc.

To Change the Fence Plate Position, Proceed as follows:

1. Loosen handles "G" in fig.10A, then slide fence plate "F" from fence body.
2. Slide fence plate over the 2 locking plates to position shown in fig.10B then relock handles "G".

Fence Pointer Adjustment.

When the fence plate position has been changed as previously described, the pointer "D" in fig.10A must be re-set accordingly.

To Re-Set Pointer, Proceed as follows:

1. Lift handle in fig.10A then move fence to a position which would allow a reasonable cut to be taken. Depress handle "A" to lock fence in position.
2. Start machine, then feed a piece of timber past the sawblade keeping timber firmly against the fence. Stop machine.
3. Accurately measure the width of timber after cut then loosen knurled screw "E" and set rule pointer "D" accordingly. Re-lock knurled screw "E".

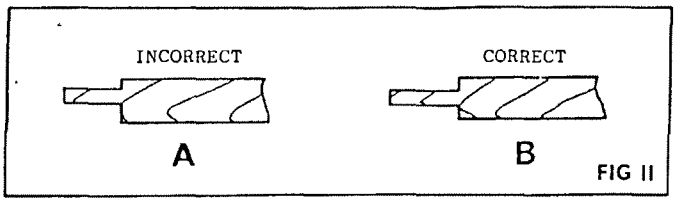


FIG 11

SETTING SAW TO RIVING KNIFE.

It is important that the saw and riving knife are in line. To re-set should the spindle have been disturbed, the undermentioned 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).

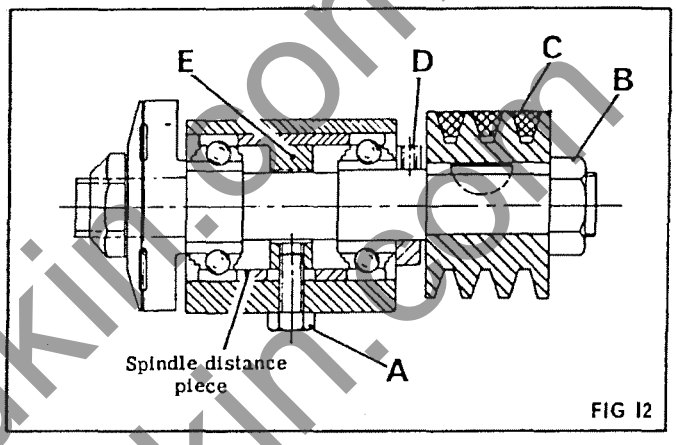


FIG 12

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 ¼" 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 heaxagon 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.

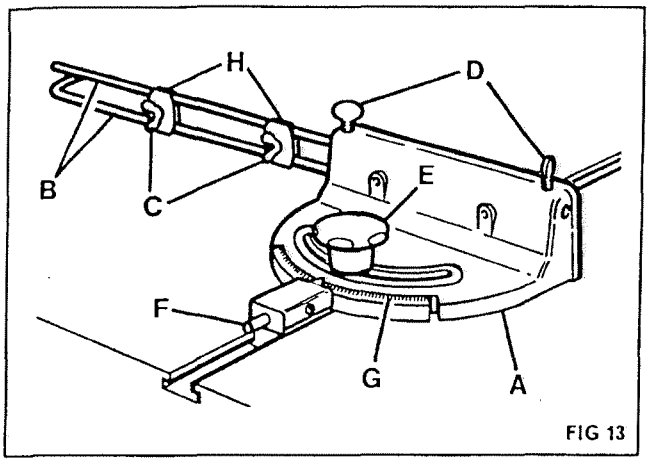


FIG 13

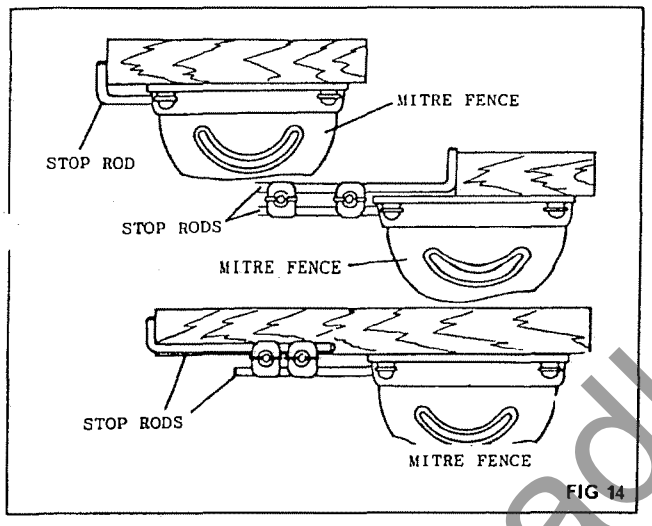


FIG 14

SEE PAGES 11 AND 13 FOR FURTHER EXTENSION TABLE DETAILS.

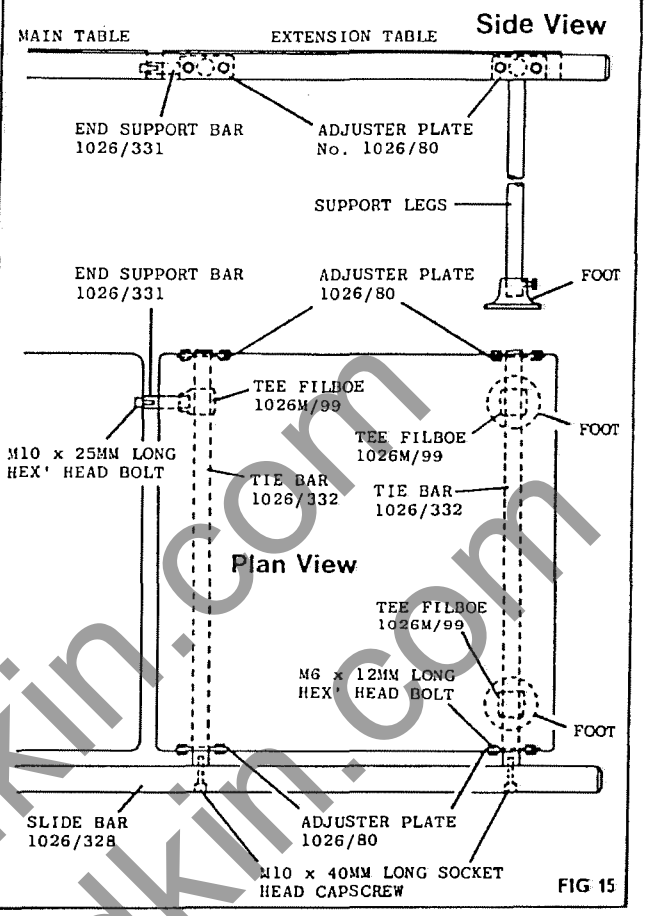


FIG 15

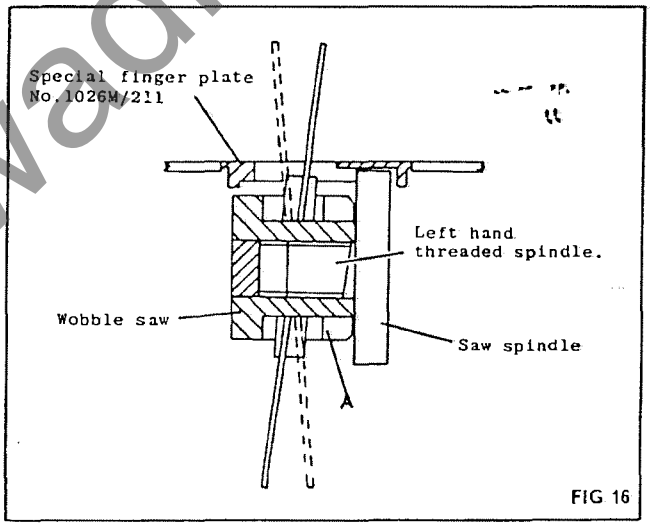


FIG 16

MITRE FENCE.

The mitre fence "A" in FIG.13 slides in either of two table slots and can be used at either side of the sawblade. Two stop rods "B" are held together by two clamps and wingnuts "C". The stop rods are secured to the fence body by either of the two thumbscrews "D", depending on which side of fence body the rods are used.
NOTE:- Always ensure the stop rods are set clear of the sawblade or serious damage will result when machine is operated.
The mitre fence can be rotated through 90 degrees with positive stops at 90 degrees and 45 degrees. To position mitre fence at required angle, loosen handwheel "E" in FIG.13, then pull plunger "F" from location, position fence as required using scale "G" then relock handwheel "E".
NOTE:- Always ensure table slot is clean when using mitre fence.

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 thumbscrews "C" in FIG.13 and the stop rods held together by the two clamps "H". To adjust the rods by the clamps, loosen the wingnuts "D".
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

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 right of the saw to 50" (1270mm) between saw and rip fence.
To assemble table, follow undermentioned procedure:

1. Remove protective coating from extension table parts by applying a cloth soaked in paraffin, turpentine or other solvent.
2. Remove existing fence bar and replace with long bar (supplied with extension table) ensuring replacement bar is correctly positioned, i.e. zero mark on graduated bar to centre of table.
3. Assemble as shown in FIG.15, ensuring that extension table top is level with main table top. When set, lock all screws and nuts.

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" (152.4mm)which will cut any width of groove between 1/8" and 5/8" (3mm and 15.8mm) to a maximum depth of 1" (25.4mm).
Table insert ref.no.1026M/211 should be used when the wobble saw is fitted.

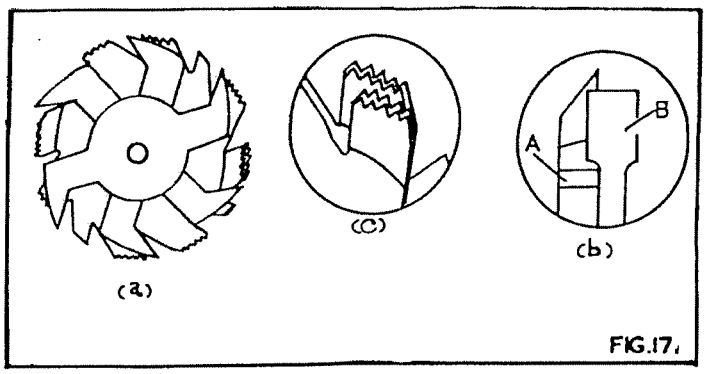


FIG.17.

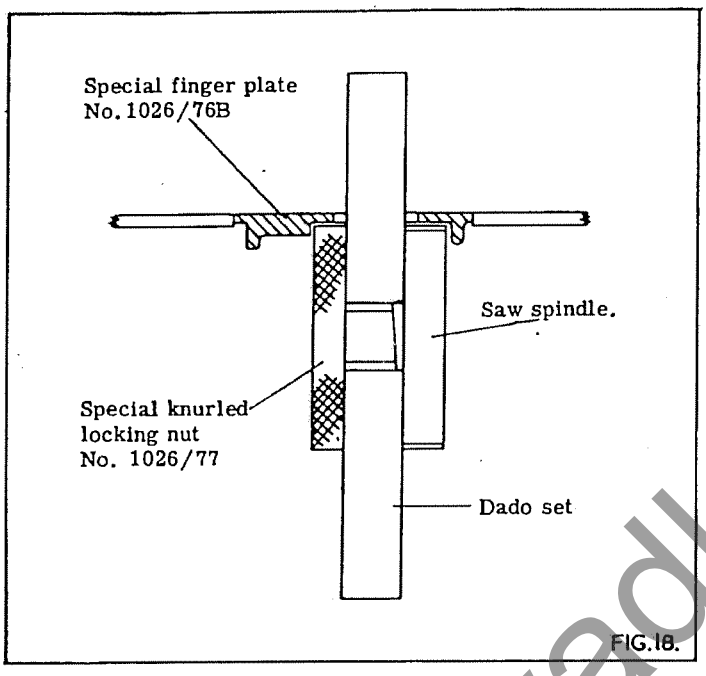


FIG.18.

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 $\frac{1}{4}$" (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.

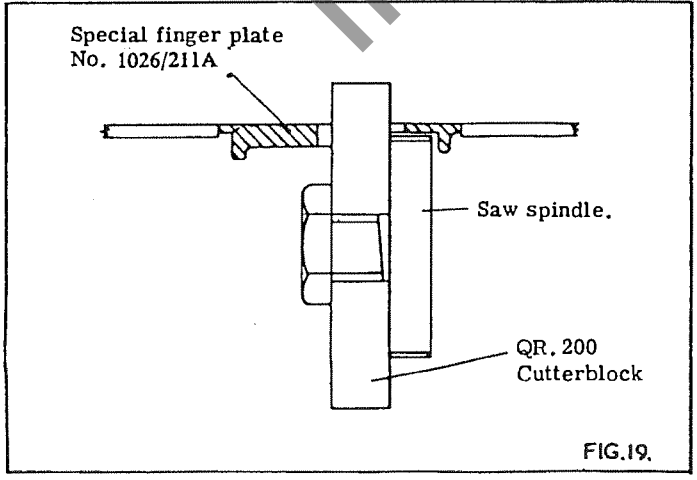


FIG.19.

HOW TO FIT MOULDING CUTTERBLOCK

The cutterblock is 4. 7/8" dia x $\frac{3}{4}$" wide (124mm x 19 mm) and takes 5/32" (4 mm) or $\frac{1}{4}$" (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.

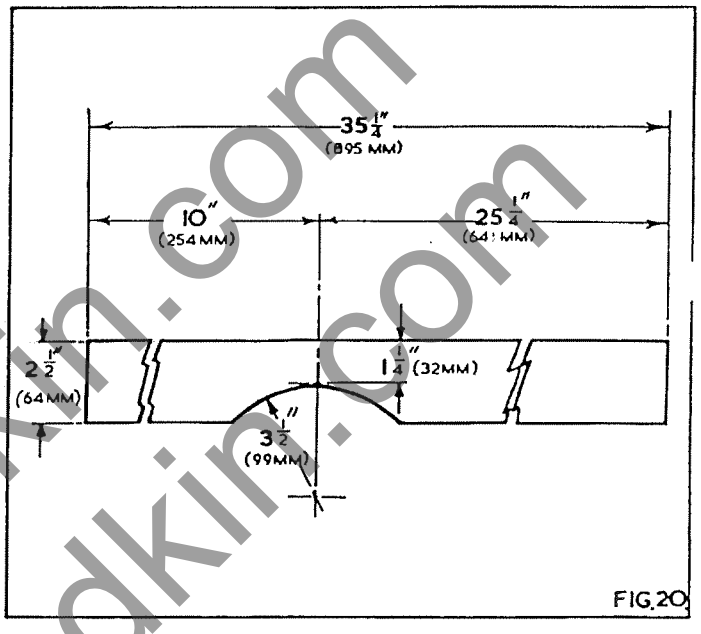


FIG.20.

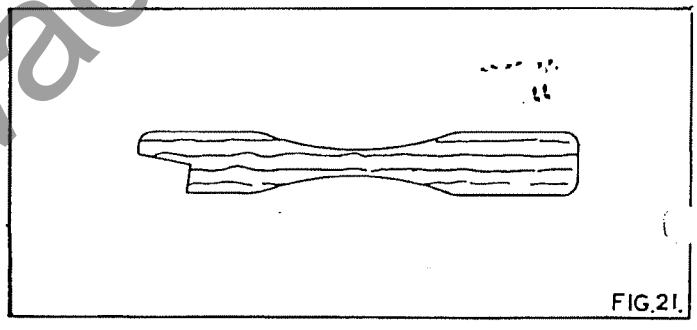


FIG.21.

SAFETY PRECAUTIONS

Always adjust the guard to protect as much of the saw as possible and adjust the riving knife to within $\frac{1}{4}$" 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.

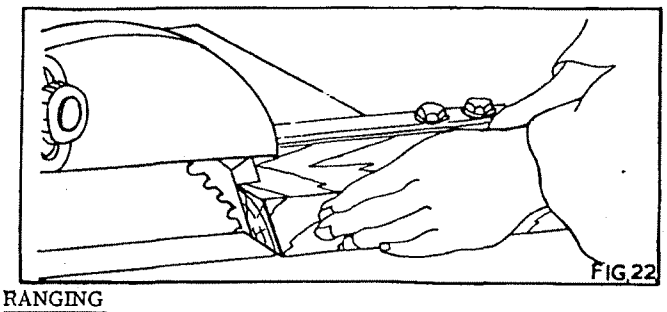


FIG.22

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.

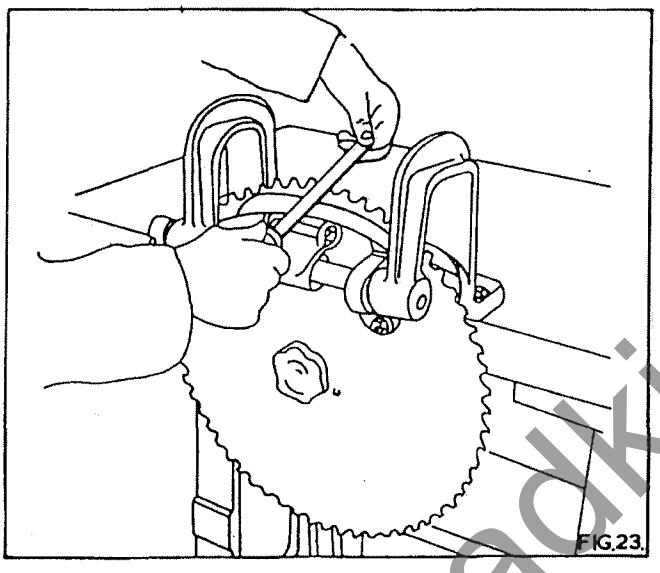


FIG.23.

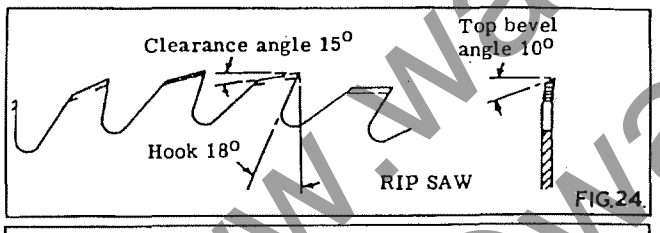


FIG.24.

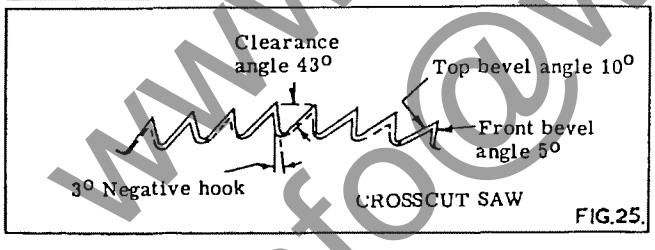


FIG.25.

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 guliet, 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 loose 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, otherwi: 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 wooll timber than for dry close grained timber and the amount of set is greater for crosscutting saws than for ripping.

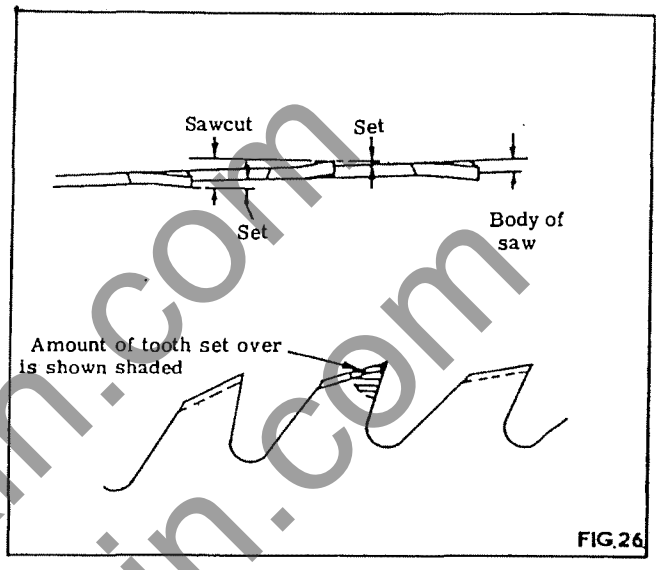


FIG.26.

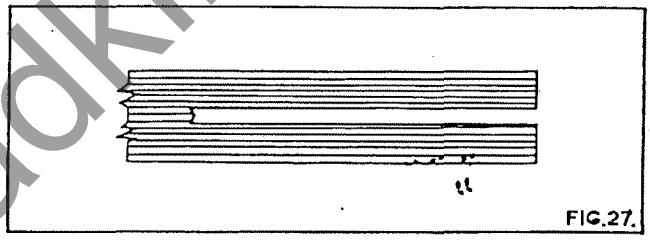


FIG.27.

MACHINE SETTING

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

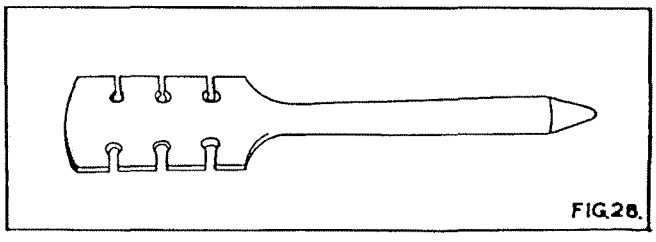


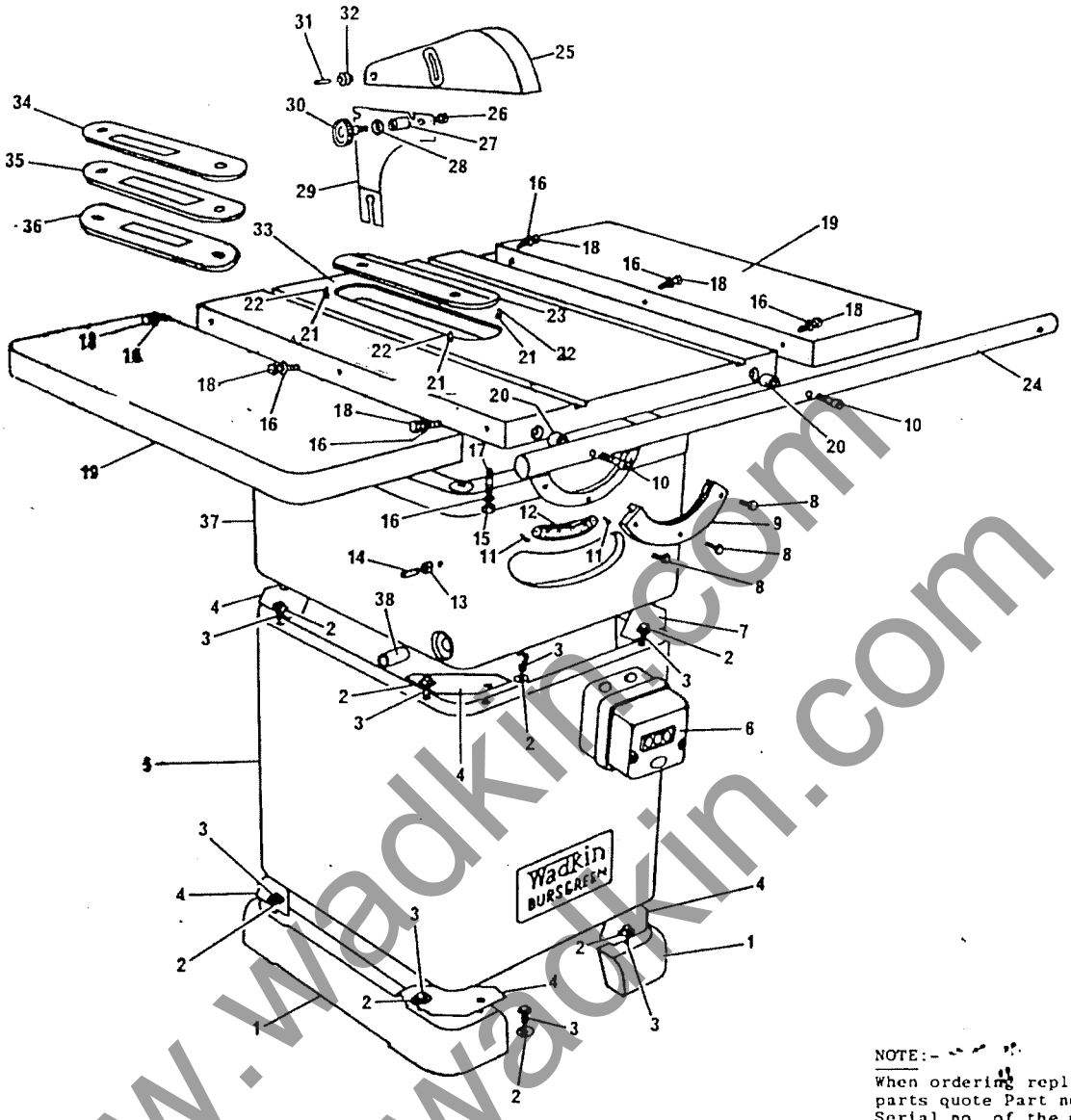
FIG.28.

HAND SETTING

Where the number of saws does not warrant a machine belng 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.

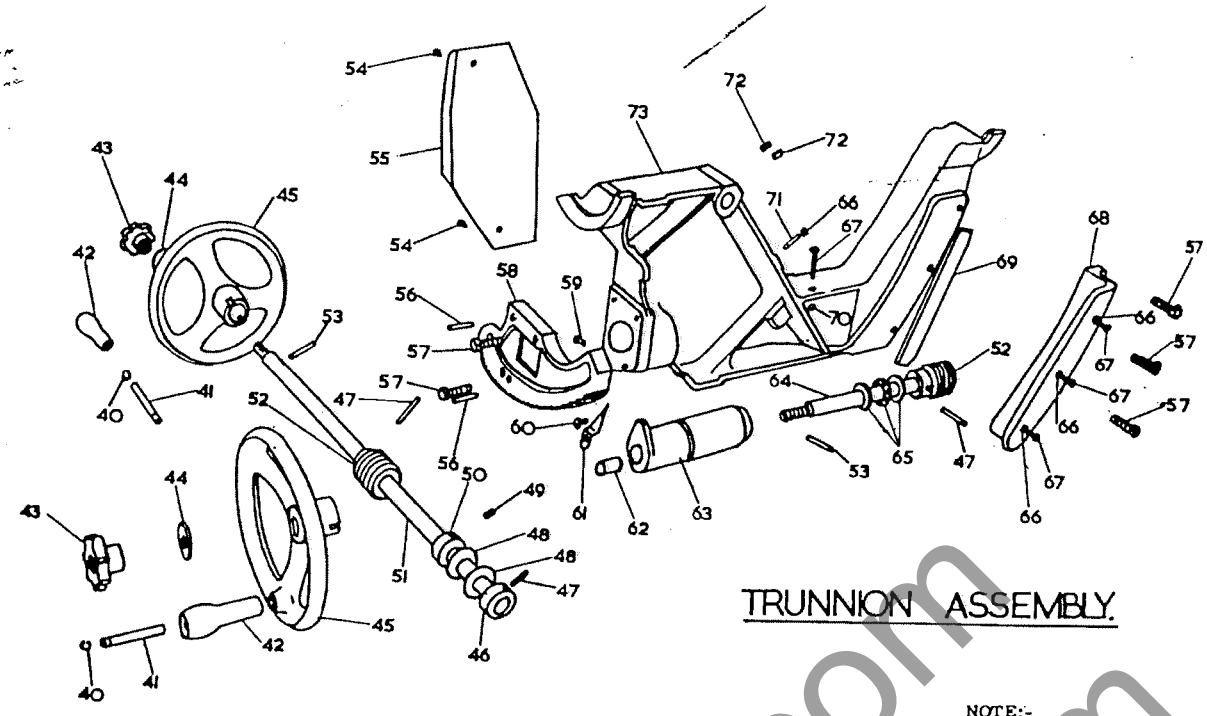


3726

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

Ref.No.	Part No.	No.Off.	Description.
1	C-1026M/10	2	Foot for base.
2		16	10 washer.
3		15	M10 x 20 long hexagon head bolt.
4		6	Fillets for base.
5	D-1026/11	1	Base.
6	44 ADS	1	MEM Starter (2HP, 50 cycles).
	84 ADS	1	MEM Starter (3HP, 50 cycles).
	ZT3	1	Brook Starter (1 phase, under 220 volts.)
	AT3	1	Brook Starter (1 phase, over 220 volts).
	AT3	1	Brook Starter (2 & 3HP, 60 cycles).
7		2	Special fillet for base.
8		6	M8 x 20 long hexagon head bolt.
9	C-1026/7	2	Trunnion trapping plate.
10		4	M10 x 45 long hollow capscrew.
11		2	M3 x 10 long round head screw.
12	B-1026/17	1	Angle indicator rule.
13		2	M10 nut.
14		2	M10 x 40 long nicked grubscrew.
15		4	M10 nut.
16		10	10 washer.
17		4	M10 x 35 long stud.
18		6	M10 x 30 long hexagon head bolt.

Ref.No.	Part No.	No.Off	Description.
19	C-1026M/5	2	Extension table.
20	A-1026/51	4	Fence slide bar distance piece.
21		4	M5 locknut.
22		4	M5 x 12 long nicked grubscrew.
23	C-1030M/9	1	Finger plate.
24	B-1026/326	1	Fence front slide bar(Std)
	B-1026/328	1	Fence front slide bar(50" capacity) (EXTRA).
25	B-1026M/58	1	Saw guard.
26		1	M10 x 12 long hexagon head bolt.
27	A-1026M/60	1	Riving knife distance piece.
28		1	M10 x 30 long stud.
29	B-1026/222	1	Riving knife.
30	Patt.No.32	1	1½" dia.light plastic handwheel M10 blind.
31		1	10" dia. x 40 long groverlok spring dowel.
32	A-1030/31	1	Saw guard pivot.
33	D-1026M/207	1	Main table.
34	C-1026M/211B	1	Finger plate for 6" dia. dado set.
35	C-1026M/211A	1	Fingerplate for 6" dia. wobble saw.
36	C-1026M/211A	1	Fingerplate for 4.7/8"dia. cutterblock.
37	D-1026M/1M	1	Main frame.
38		2	½" bore x 7/8"o/d x 1" long oilite bush.

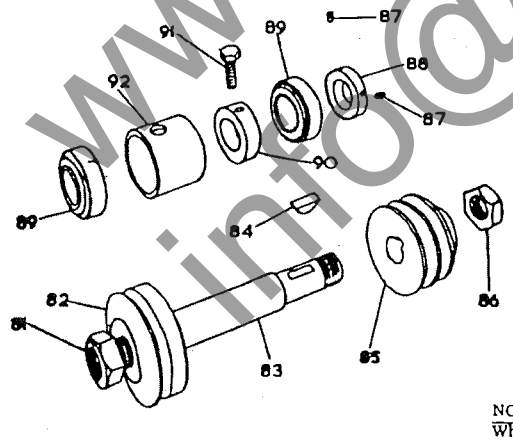


TRUNNION ASSEMBLY.

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

Ref. No.	Part No.	No. Off	Description
40	5555-37	2	Grip ring circlips "Truarc"
41	A-S-101	2	Spindle for 3" plastic handle
42	Patt No. 4	2	3" plastic handles
43	Patt No. 14	2	2"dia. plastic handwheel M12 T.R.T.
44	A-1026/22	2	Washers for handwheel
45	B-1026/8	2	6" dia. dished handwheel
46	A-1026M/29	1	Canting shaft collar (without M10 hole)
47		3	5 dia. x 30 long groverlok spring dowel
48	A-1026/65	2	Fibre washer for canting shaft
49		1	M10 x 12 long socket set screw
50	A-1026M/29	1	Canting shaft collar (with M10 hole)
51	B-1026M/21	1	Canting shaft
52	A-1026M/32	2	Worms
53		2	5 dia. x 40 long groverlok spring dowel
54		2	M6 x 12 long hexagon head bolt
55	B-1026/13	1	Chip deflector
56		2	8 dia. x 30 long groverlok spring dowel
57		4	M10 x 30 long hexagon head bolt
58	D-1026M/15	1	Racked quadrant for R & F
59	A-1026/33	1	¼" gas pipscrew
60		1	M6 x 10 long round head screw
61	A-1026/72	1	Angle indicator pointer
62		2	¾" bore x 7/8"o/d x ¾" long oilite bush
63	B-1026M/6	1	Rise and fall shaft bearing
64	B-1026/20	1	Rise and Fall shaft
65	EW¾"	1	Hoffman thrust race
66		4	M8 locknut
67		4	M6 x 30 long square head bolt
68	B-1026M/9	1	Motor bracket trapping piece
69	A-1026/24	1	Retaining strip for slide bracket
70		1	M6 nut
71		1	M6 x 30 long nicked grubscrew
72		2	1/8" gas x ½" long socket set screw
73	D-1026M/2	1	Trunnion bracket

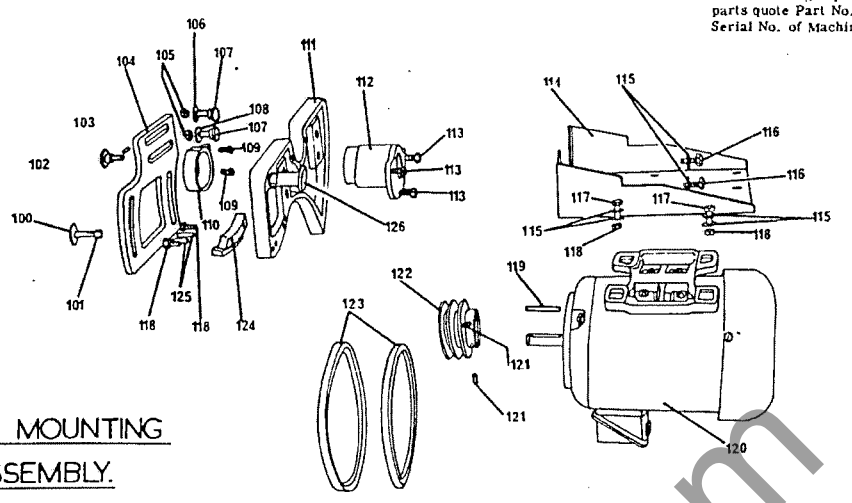
SAW SPINDLE ASSEMBLY.



Ref. No.	Part No.	No. Off	Description
81	A-1026/34	1	Saw spindle nut
	A-1026/74	1	20mm spindle locknut
	A-1026/124	1	25mm spindle nut
82	A-1026/26	1	Front saw flange
	A-1026/93	1	20mm front saw flange
	A-1026/125	1	25mm front saw flange
83	C-1026/25	1	Saw spindle
	C-1026/86	1	20mm saw spindle
	C-1026/123	1	25mm 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	M6 x 10 long socket set screw
88	A-1026M/28	1	Spindle locking collar
89	6203-2RS	2	S.K.F. Sealed bearings
90	A-1026M/29	1	Spindle trapping collar
91		1	M10 x 25 long hexagon head bolt
92	A-1026/27	1	Saw spindle distance piece

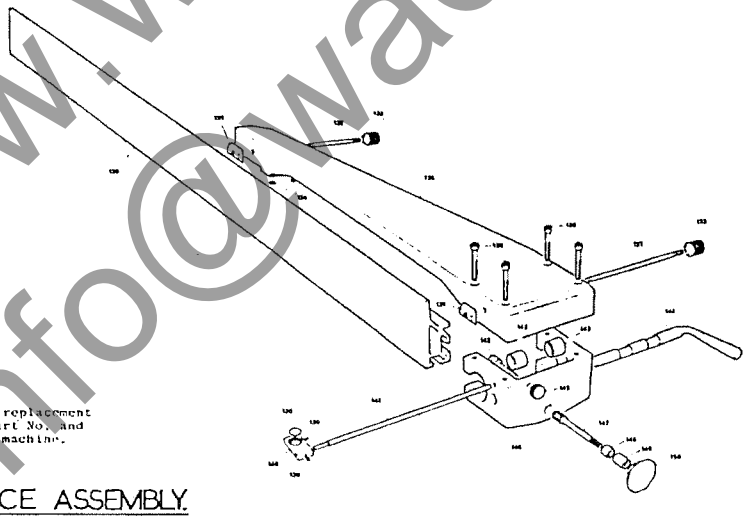
NOTE:-
When ordering replacement parts quote Part No. and Serial No. of Machine.

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



MOTOR MOUNTING ASSEMBLY.

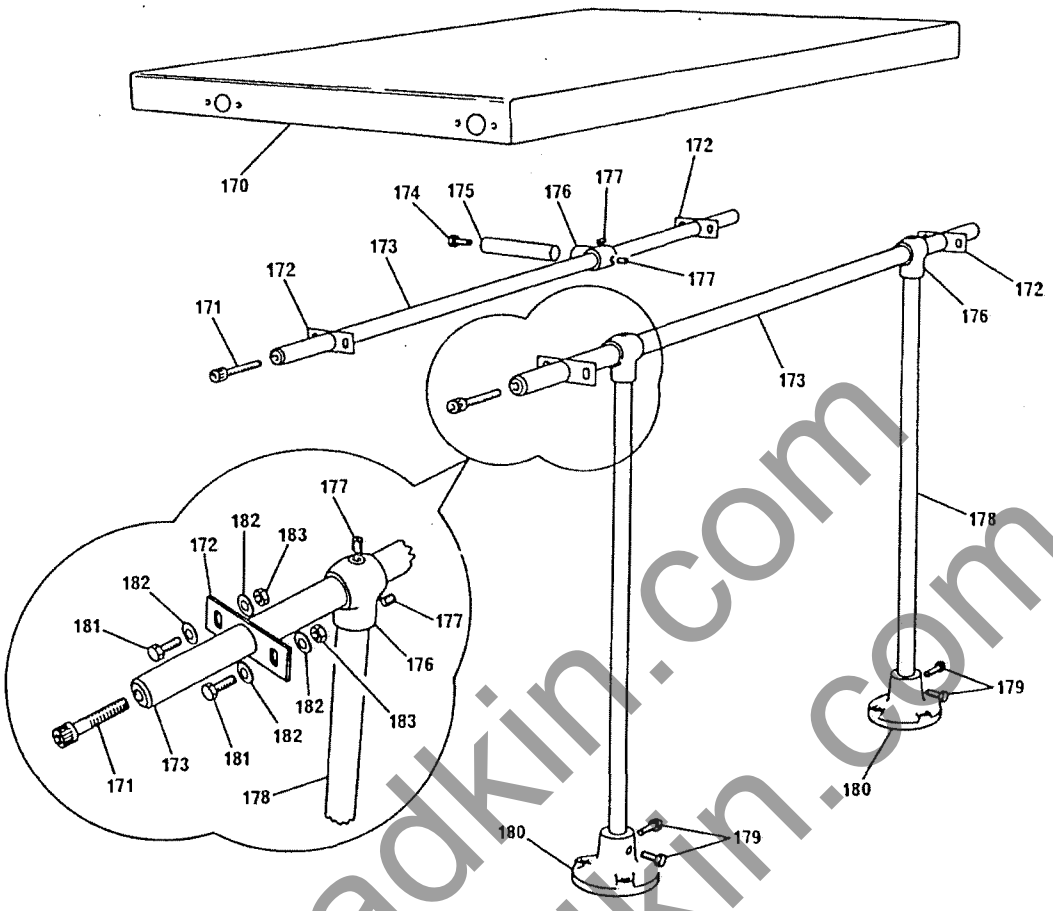
Ref. No.	Part No.	No. Off	Description
100	A-1026M/115	1	Riving Knife bracket trapping bolt
101		2	M10 aerotight nut
102	A-1026/212	1	Rear trapping bolt for riving knife bracket
103		1	M8 x 10 long socket head grubscrew
104	C-1026M/113	1	Riving knife bracket
105		2	M10 nut
106	A-1032/22	1	Riving knife washer
107	A-1026/96	2	Bolts for riving knife
108		1	10 washer
109		2	M8 x 20 long socket head capscrew
110	B-1026M/114	1	Riving knife pivot bracket
111	C-1026M/102	1	Slide Bracket
112	B-1026M/101	1	Spindle housing
113		3	M10 x 25 long hexagon head bolt
114	C-1026/12	1	Motor platform
115		12	10 washer
116		4	M10 x 20 long hexagon head bolt
117		4	M10 nut
118		6	M10 x 30 long hexagon head bolt
119		1	3/16" wide x 1¼" long key
120		1	Brook Gryphon foot mounted frame T 14 T.E.F.C. 3,000r.p.m., 2HP (2 HP, 50 cycles)
		1	Brook 66C Motor foot mounted T.E.F.C. 3,000rpm 2HP (2HP, 1 phase, 50 cycles)
		1	Brook Gryphon motor foot mounted frame T14 T.E.F.C. 3,600 rpm, 2 HP (2 HP, 60 cycles)
		1	Brook 66DB motor foot mounted TE.F.C. 3,000rpm(3HP, 50 cycles)
		1	Brook 66DB motor foot mounted T.E.F.C.3,600rpm 3HP (3HP, 60 cycles)
121		2	M8 x 12 long socket head grubscrew
122	B-1026M/31	1	Motor Pulley (2HP, 50 cycles, 3HP, 50 cycles, 1 phase, 50 cycles.)
	B-1026/30	1	Motor pulley (2 & 3 HP, 60 cycles)
123	2230	3	Fenner Vee ropes(2HP, 3phase, 50 cycle)
	2240	3	Fenner Vee ropes (3HP, 3 phase, and 2HP, 1 phase, 50 cycles)
	2220	3	Fenner Vee ropes(2HP, 3 phase, 60 cycles)
124	C-1026M/14	1	Racked quadrant for rise and fall
125		2	8 x 25 long groverlok spring dowel
126	A-1026/23	1	Pivot pin for slide bracket



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

RIP FENCE ASSEMBLY.

Ref.No.	No. Off.	Part No.	Description.
130	C-1085/25	1	Rip fence front plate (720mmlong)
131	A-SK-1282	2	Locking plate for rip fence front plate.
132	A-1026/321	1	65mm Long stud for rip fence front plate.
133	A-1026/340	2	Locking knobs for fence front plate.
134		2	10mm hexagon plastic caps.
135	C-1026/302	1	Rip fence body.
136		4	M8 x 45mm long socket head cap screws.
137	A-1026/321	1	140mm long stud for rip fence front plate.
138	5584-TYPE G3	1	Magnifier lens.
139		2	M4 x 5mm long socket head grub screw.
140	A-1026/323	1	Magnifier housing.
141	A-1026/320	1	Slide bar for rip fence magnifier.
142	A-1026/342	1	Locking spindle for magnifier housing.
143	A-1026/307	2	Cam lock ring for rip fence.
144	A-1026/304B	1	Cam lock shaft for rip fence.
145	A-1026/338	1	Locking knob for fence magnifier.
146	C-1026/303	1	Rip fence adjusting bracket.
147	A-1026/308	1	Pinion for rip fence.
148		1	9mm I/D x 14mm O/D x 10mm long oilite bush.
149		1	9mm I/D x 14mm O/D x 14mm long oilite bush.
150		1	2" dia plastic handwheel, 8mm plain bore.

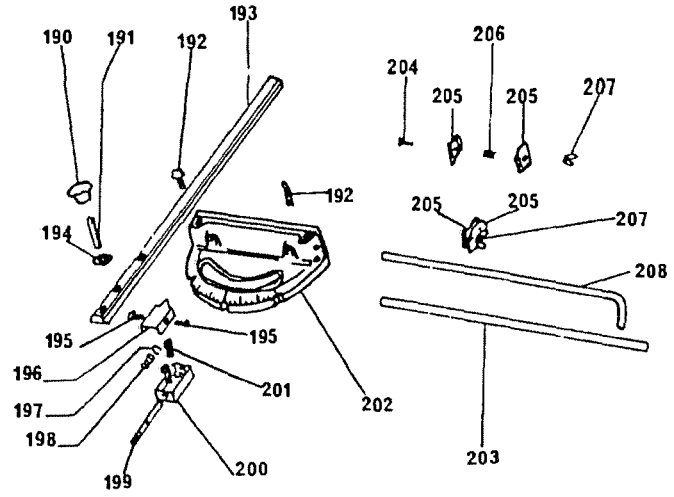


NOTE:-
When ordering replacement parts quote Part No. and Serial No. of machine.

SHEET METAL EXTENSION TABLE ASSEMBLY

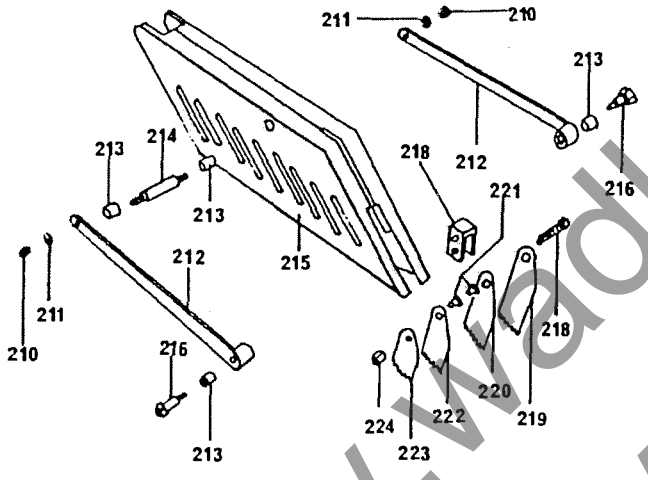
Ref.No.	Part No.	No.Off.	Description.
170	D-1026/325	1	Extension table.
171		2	M10 x 40mm long socket head capscrew.
172	A-1026/80	4	Extension table adjuster plates.
173	A-1026/332	2	Extension table tie bar.
174		1	M10 x 25mm long hexagon head bolt.
175	A-1026/331	1	Extension table end support bar.
176	A-1026M/99	3	Tee filboe for extension table.
177		6	3/8" BSF x 3/8" long socket set screw.
178	A-1026/84	2	Extension table support leg.
179		4	M10 x 20mm long hexagon head bolt.
180	A-1026M/85	2	Extension table support feet.
181		8	M6 nut.
182		16	6mm washer.
183		8	M6 x 12mm long hexagon head bolt.

MITRE FENCE ASSEMBLY.



Ref. No.	Part No.	No. Off	Description
190		1	M8 bore x 1¾" dia. plastic handwheel
191		1	M8 x 40 long stud
192		2	M6 thumbscrew
193	B-1026M/229	1	Mitre fence tongue
194	A-1026/174	1	Washer for mitre fence
195	Z4	2	¼" 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	M5 x 10 long button head screw
202	D-1026/219	1	Mitre fence body
203	B-1026/69	1	Mitre fence stop rod (Straight)
204		2	¼"whit x ¾" long coach bolt
205	A-1026/68	4	Mitre fence stop plate
206	A-1026/73	2	Mitre fence stop plate spring
207		2	¼" whit wingnut
208	B-1026/69	1	Mitre fence stop rod (cranked)

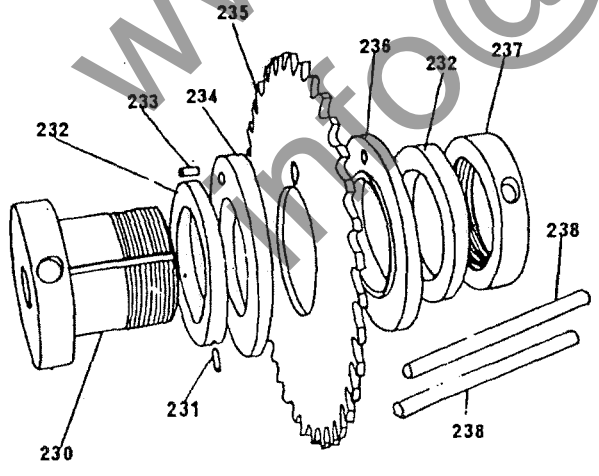
AMERICAN SAW GUARD. (SPECIAL)



Ref. No.	Part No.	No. Off	Description
210		2	M6 aerotight nut
211		2	6 washer
212	A-1026/105	2	Pivot arm
213		2	3/8"bore x ½"o/d x ½" long nylon bush
214	A-1026M/108	1	Front pivot pin
215	C-1026/103	1	American saw guard
216	A-1026/107	2	Back pivot screw
217		1	M6 x 25 long hexagon head bolt
218	A-1026M/104	1	Pivot block for arm
219	A-1026/64	1	Kick back fingers (4½" long)
220	A-1026/64	1	Kick back finger (3½" 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 (2½" long)
224		1	M6 nut

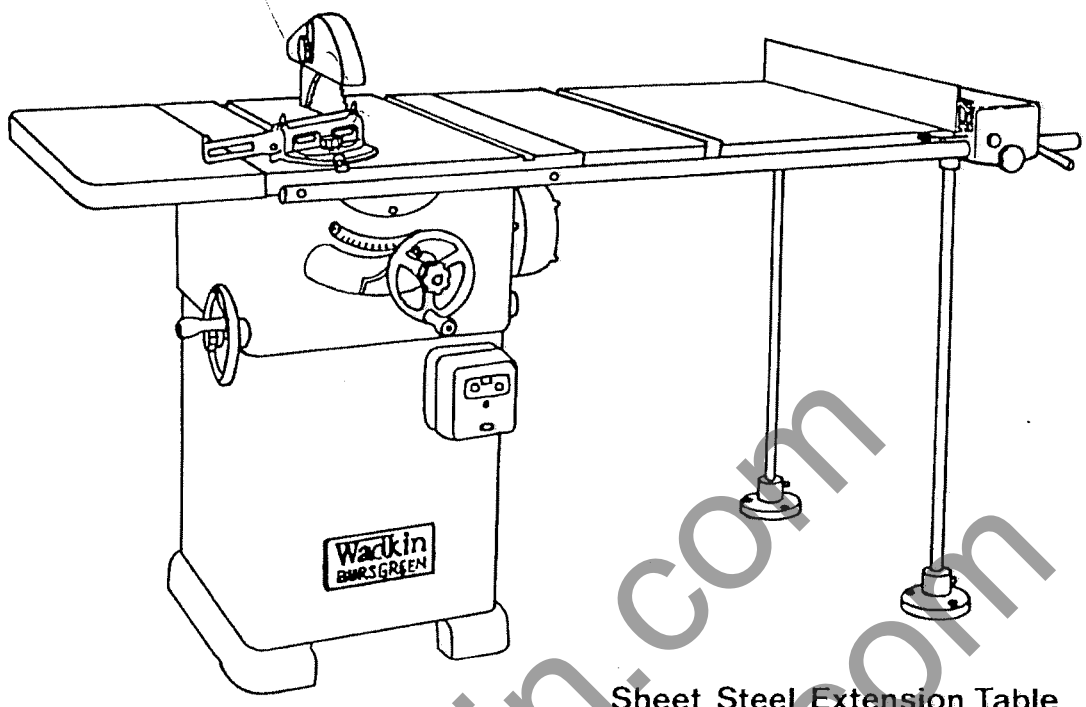
NOTE:-
When ordering replacement parts quote Part No. and Serial No. of Machine.

WOBBLE SAW ASSEMBLY. (EXTRA)



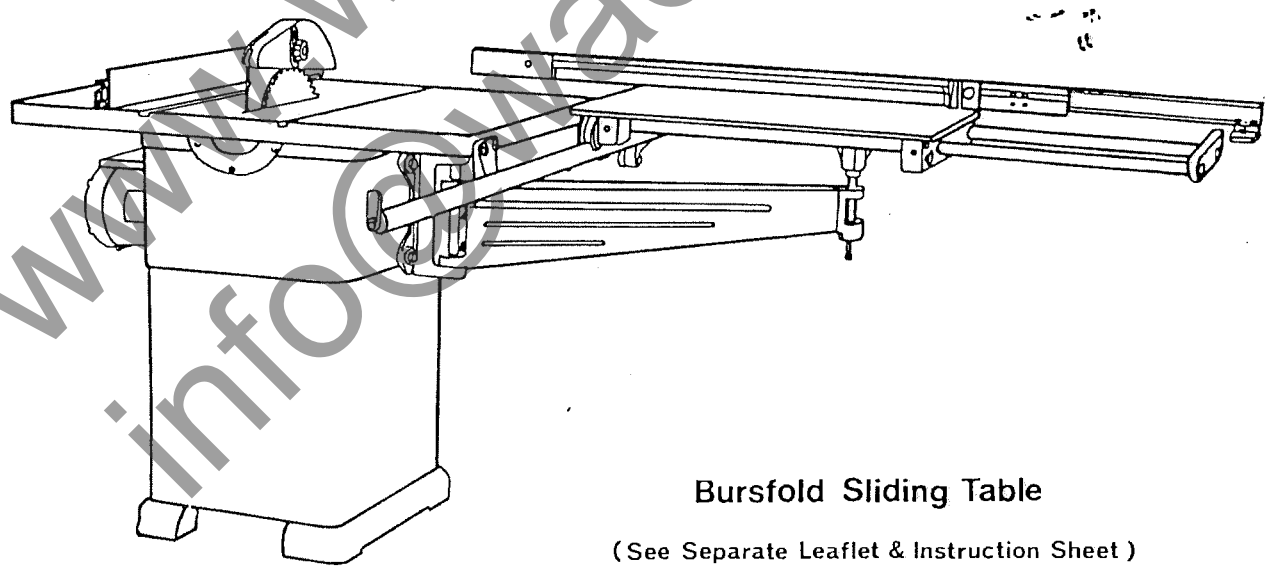
Ref. No.	Part No.	No. Off	Description
230	A-1026/89	1	Wobble saw adaptor
231		1	3 dia x 12 long dowel
232	A-1026/292	2	Small wobble saw collar
233		1	6 dia x 10 long fluted dowel
234	A-1026/291	1	Large plain wobble saw collar
235	B-S-71B	1	6" dia. wobble saw
236	A-1026/290	1	Large spigotted wobble saw collar
237	A-1026/293	1	Wobble saw locknut
238	A-1026/294	2	Wobble saw toggle bar

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



Sheet Steel Extension Table

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)

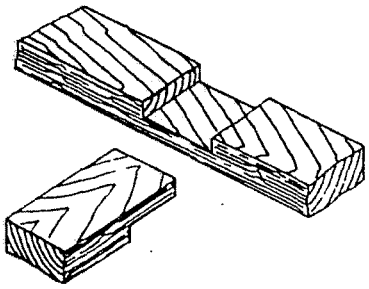


Bursfold Sliding Table

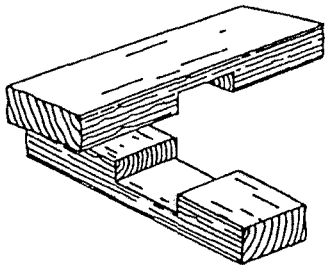
(See Separate Leaflet & Instruction Sheet)

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.

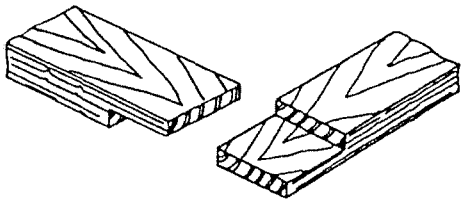
THE ILLUSTRATED JOINTS CAN BE READILY DONE ON THIS MACHINE, SOME MAY REQUIRE SIMPLE JIGS.



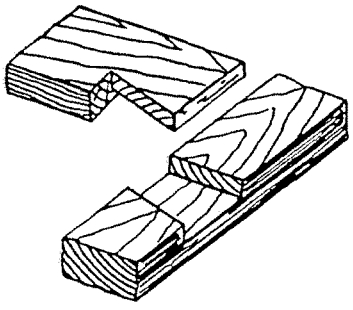
TEE HALF LAP.



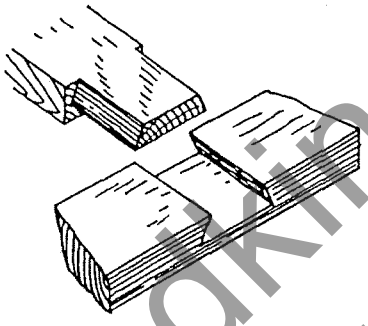
MIDDLE HALF LAP



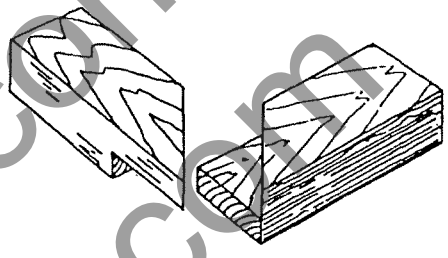
END HALF LAP.



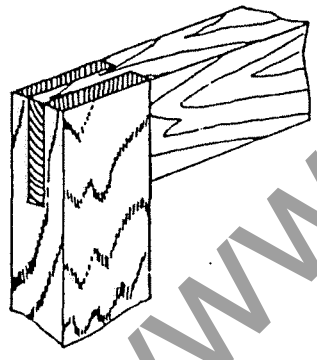
DOVETAIL HALF LAP
(ONE SIDE ONLY).



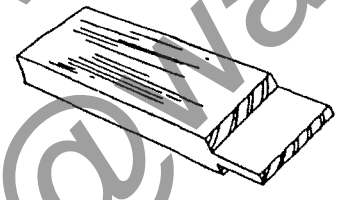
DOVETAIL HALF LAP.



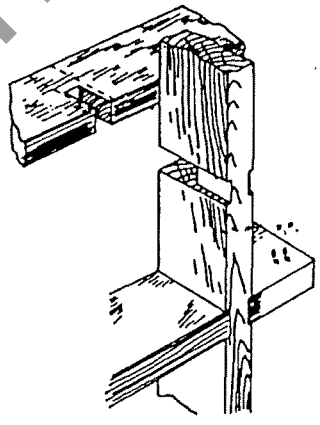
MITRED FACE WITH HALF LAP.



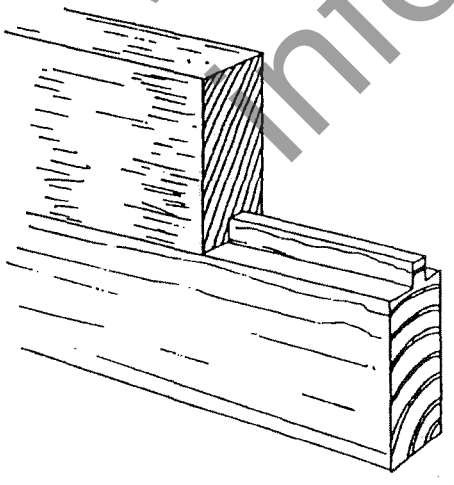
OPEN MORTISE & TENON.



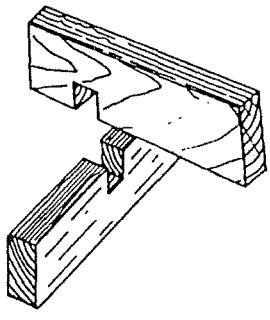
TENONS.



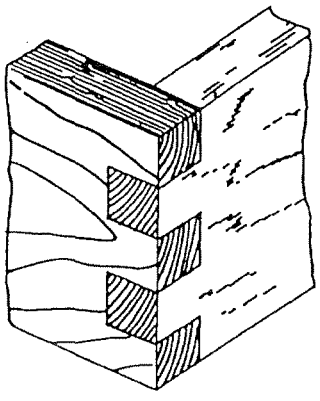
LAPPED JOINT WITH GROOVE
(USEFUL FOR SHELVING).



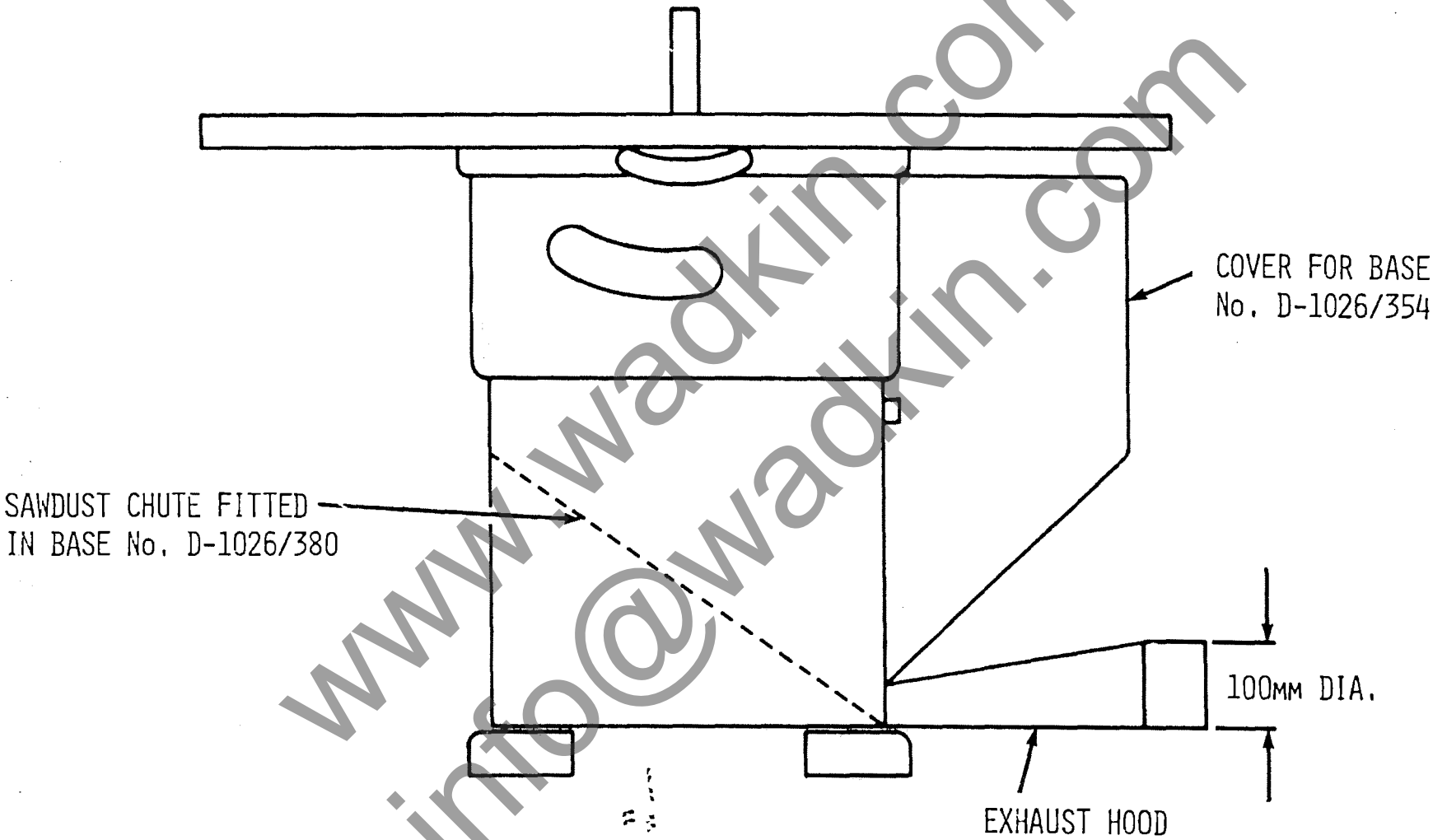
TONGUE & GROOVE



MIDDLE HALF LAP



BOX JOINT.



METHOD OF DUST EXTRACTION ON 10"AGS