BRA 4000

Universal Radial Arm Saw

Instruction Manual

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

PLEASE INSERT SERIAL NUMBER OF MACHINE

INSTRUCTION MANUAL FOR

400 BRA

Universal Radial Arm Saw

Specification.

Maximum diameter of saw	400mm	400mm
Maximum saw projection	133mm	5in.
Width will cross cut with standard arm at 90°	305x133mm	12x5in.
standard arm at 90°	380x25mm	l5xlin.
Width will cross cut with	110x133mm	42x5in.
standard arm at 45	265x25mm	10½xlin.
Maximum width grooving head	32mm wide	lain.
Maximum ripping capacity	730mm	291n.
Height of work table	825mm	$32\frac{1}{2}$ in.
Diameter of saw spindle	25mm	HT.30HH
Diameter of saw spindle	3.7kW	5hp.
Speed of motor 50 hertz.	3000rev/min	.3000rev/min.
Speed of motor 60 hertz	3600rev/min	.3600rev/min.
Maximum overall height	1830mm	72in.
Floor space	1570x1070mm	62x42in.
Net weight(approx)	220kg.	4901b.
Gross weight(approx)	285kg ₂	6301b.
Shipping dimensions(approx)	0.70m ³ .	25ft ³ .
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NOTE:

On 400mm(16in) machine special spigotted saw flanges are fitted to take $32mm(1\frac{1}{4}in)$ bore saws.

For Replacement Parts, Tools & Accessories, Contact Brian Stacey, Bursgreen (Durham) Ltd., Fence Houses, Houghton *le *Spring, Tyne *Wear DH4 5RQ, England.

Telephone: Fence Houses 2385 (5 Lines)

Telex: 53441 (Bursgreen Duram)

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SAFETY

一种原产的复数形式 "并否定"。

- 1. Read Instruction Book.
- 2. Securely Lock Cutters.
- 3. Set Guards Correctly
- 4. Select Correct Speed.

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- 5. Use Feeding Devices Where Possible.
- Refer To HSW Booklet No.41. (in UK) For Safety in The Use Of Woodworking Machinery.

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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:

- The operation of the machine should conform to the requirements of the Woodworking Machines Regulations 1974. Al guards should be used and adjusted correctly.
- 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.
- Only personnel trained in the safe use of a machine should operate it.
- Before making adjustments or clearing chips, etc., the machine should be stopped and all movement should have ceased.
- All tools and cutters must be securely fixed and the speed selected must be appropriate for the tooling.

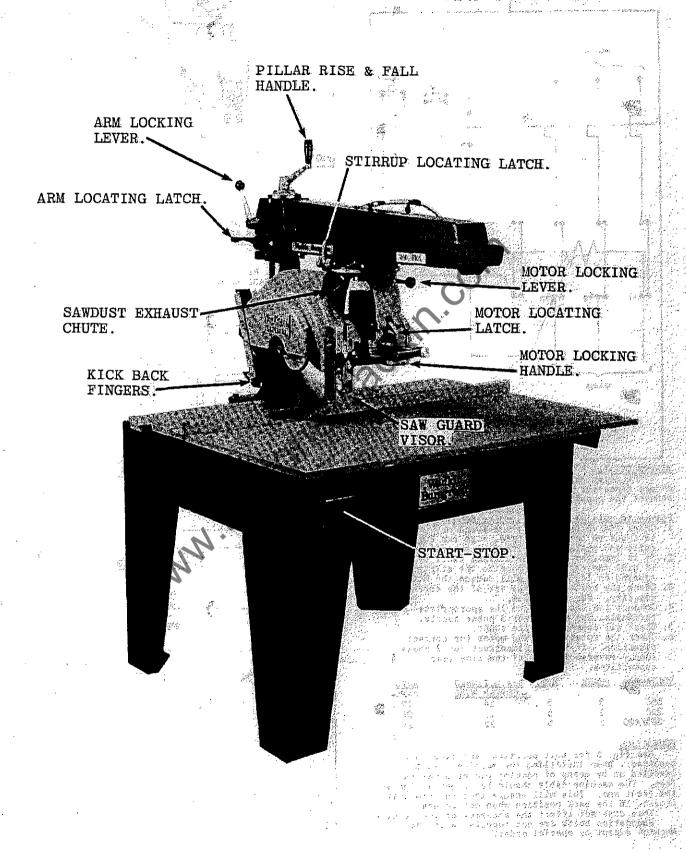
SAFETY IS OUR WATCHWORD BUT THE USER MUST COMPLY WITH THE ABOVE RULES IN HIS OWN INTEREST. WE WOULD BE PLEASED TO ADVISE ON THE SAFE USE OF OUR PRODUCTS.

000

Application			Approved L	ubricant	N. C.	
	Castrol	B.P.	Shell	Esso	Texaco/ Caltex	Wadkin
Worm Boxes	Alpha 617	EnergolCS425	Vitrea 75	Pen-O-Led E.P.3	Regal Oil J	L.2.
General	Magna ED	Energol	Vitrea 33	Esstic 50	Ursa Oil	L.4.
Lubrication		HP. 20			P. 20	
Pneumatic Lubricators	Hyspin AWS 32	Energol HL 65	Tellus 27	Nuto H 44	Rando Oil HDA	
Grease	Spheerol AP.3	Energrease LS.3	Alvania 3	Beacon 3 Starfak	Regal	L.6.
	A	10.0		Premium 3		
Brake	Brake cable	Energrease	Alvania	Multi-purpose	456A	
Cables	grease	L2IM	3	grease H		<u> </u>

Universal Radial Arm Saw Type BRA 400

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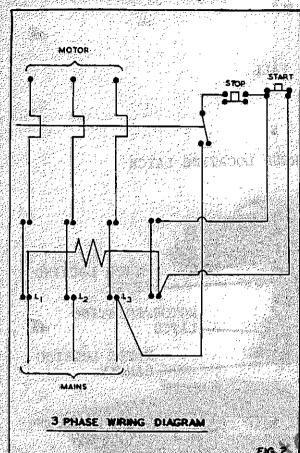


<u>INSTALLATION</u>

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

applying a cloth soaked in paraffin, turpentine or some other solvent.

When the machine is cased for export the carriage and motor unit is removed from the arm, the arm is removed fromthe pillar, the pillar and foot assembly is removed from the base along with the legs. All these items are packed individually in the case. Remove and assemble as shown in Fig.1.



WIRING DETAILS

The motor and control gear have been wis before despatch. All that is required is to connect the power supply to the starter.

Points to note when connecting to power supply:
1. Check the voltage, phase and frequency correspond
to those on the motor plate, also the correct
coits and heaters are fitted to the starter.

2. It is important that the correct cable is used
to give the correct voltage to the starter, as
running on low voltage will damage the motor.

3. Check the main line fuses are of the correct
capacity. See list below.

4. Connect the line leads to the appropriate
terminals. See Fig. 2 for 3 phase supply.

5. Check all connections are sound.

6. Check the rotation of the motor for correct
direction. If this is incorrect for 3 phase
supply reverse any two of the line lead
connections.

VOLTAGE PHASE H.P. S.W.G. TINNED

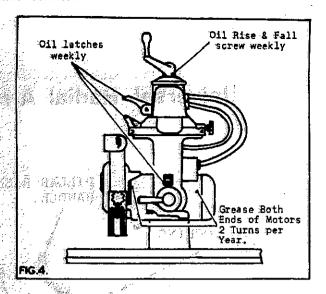
VOLTAGE PHASE H.P. S.W.G.TINNED	AMPS
OPPER WIRE	AMPS
550 3 5	17
220 3 5 19 380/420 3 5 22	38 % 24

FOUNDATION

TOUNDATION

See fig. 5 for bolt positions and clearance required. When installing the machine must be levelled up by means of packing pieces under the feet. The machine table should be slightly high at the front end. This will ensure that the saw unit remains in the back position when not in use.

This does not affect the accuracy of the machine. Foundation bolts are not supplied with the machine except by special order.



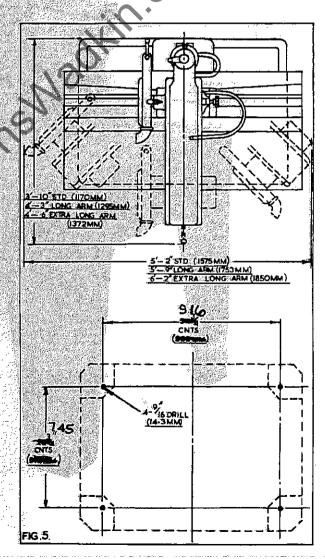
LUBRICATION

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

The slide rods and rollers should also be kept clear of any sawdust and chippings for ease of operation.

TYPE OF DIL RECOMMENDED
TYPE OF GREASE RECOMMENDED

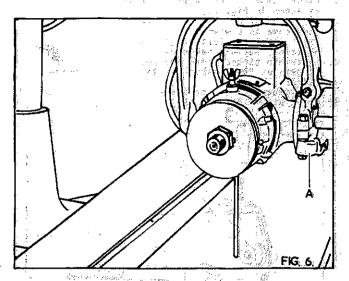
POWER EM.125 SHELL ALVANIA 3.



All adjustments and alignments listed below have been carefully set and checked and the whole machine

thoroughly tested before despatch from the works. Should any adjustment be necessary proceed in

accordance with the relative instructions given:



LEVELLING TABLE

LEVELLING TABLE.

To check the table for alignment to the arm the undermentioned procedure should be followed:

1. Remove the sawguard and blade from the motor.

2. Ensure the motor locating latch "A" in Fig. 9, the stirrup locating latch "B" and the carriage locking screw "C" in Fig. 16 is securely locked.

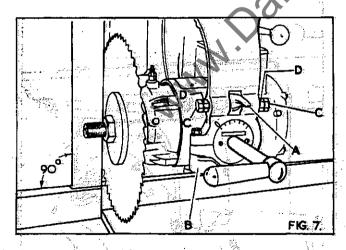
3. Secure a small dia. rod between saw flanges as shown in Fig. 6 then raise or lower arm until end of the rod almost touches table.

4. Lift arm locating latch "C" in Fig. 9 and swing arm to extreme ends of the table checking that clearance between rod and table remains constant.

5. Should the table need adjustment remove table packing pieces and fence, adjust table supports by loosening hexagon head bolts and moving up or down whichever is required. When set tighten all bolts.

6. Replace fence in position required and replac packing pieces and wedges.

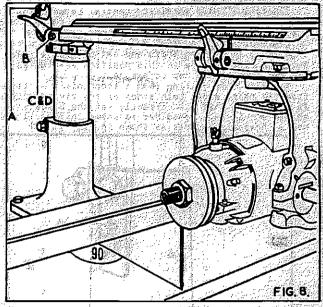
SAWBLADE ALIGNMENTS



Saw square to table

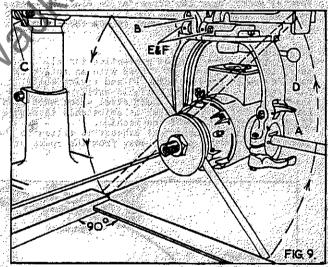
To check this alignment, place a steel square against the saw as shown in Fig. 7. If adjustment is necessary, disengage the motor locating latch "A", loosen motor pivot locking handle "B" and adjust sawblade until square. Lock in this position with lever "B", then adjust aerotight hexagon nuts "C" and hexagon locknuts "D" until latch "A" locates accurately in the motor locating ring.

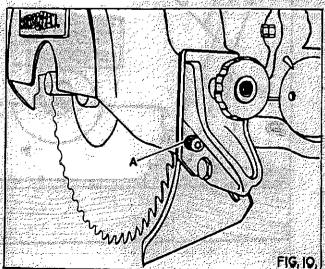
2. Line of travel to fence
To check this alignment place a pencil between the
saw flanges, as shown in Fig. 8, and scribe a line on the
table. Check this is at 90° to the fence by means of
a steel square. If adjustment is necessary, loosen
arm locking lever "A", in Fig. 8, and disengage the
pillar locating latch "B", adjust arm until square,
lock in position; then adjust aerotight hexagon nuts
"C" and hexagon locknuts "D" until the latch "B"
locates accurately in the pillar. www.DaltonsWadkin.com



3. Sawblade in relation to fence.

To check this alignment place a steel rule or some other similar straight edge between the saw flanges as shown in Fig. 9 and a steel square against the fence. Rotate the steel rule from front to rear lifeadjustment is necessary loosen stirrup locking handle "D", and disengage the stirrup locating latch "B", set correctly, then relock in position with lever "D". Adjust the aerotight nuts "E" and hexagon locknuts "F" until the latch "B" locates accurately in the slot in the stirrup.





CORRECT INCORRECT 2/// ZZ77 (B)

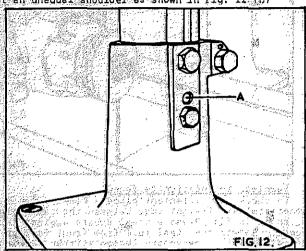
RIVING KNIFE ALIGNMENT

AIVING KNIFE ALLGAMENT

The riving knife should be central between the set of the saw. Should the riving knife be incorrectly positioned loosen the two socket head cap screws "A" in Fig. 10. Place a steel rule or some other straight

adde along the riving knife and set central to saw. With the riving knife in this position re-tighten the two socket head cap screws "A".

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 correctly set the blade should cut an equal shoulder as shown in Fig. 11 (a) not an unequal shoulder as shown in Fig. 11 (b)



COLUMN ADJUSTMENTS

COLUMN ADJUSTMENIS

Movement in the arm may be traced to the pillar.

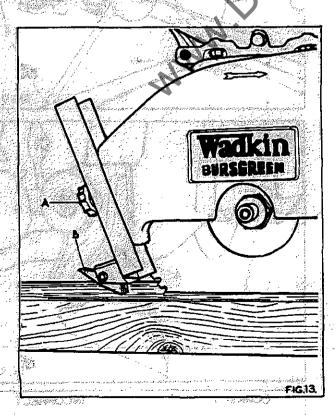
To take up any play which may develop adjust the special socket head cap screw "A" in Fig. 12. After adjustment the pillar rise and fall should be thecked to ensure the movement is not too tight.

SAW GUARD

SAW GUARD

The guard gives maximum protection for all operations. The guard is fitted with an anti-kick back device as shown in Fig. 13 and riving knife for ripping. The riving knife is easily detachable and can be replaced by a sheet steel visor when used for crosscutting. The visor is adjustable throughout the full depth of cut of the machine.

An adjustable rubber dust exhaust is fitted to the guard to direct the sawdust away from the operator.



Caller Frederick Lindberg (1822)

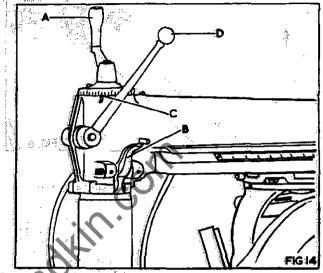
HOW TO ADJUST KICK BACK FINGERS

The anti-kirk back fingers are fitted to the saw guard and they are adjustable throughout the full depth of cut of the machine.

To set kick back fingers correctly:
1. Place timber to be ripped in kick back fingers

Place timber to be ripped in kick back fingers as shown in Fig. 13.
 Loosen handwheel "A" then lower the fingers until they come in contact with the timber.
 Press bracket a further %" (3mm) hold in that position, re-lock handwheel "A".
 To remove timber press the point of kick back fingers at "B" towards the table and withdraw the

The timber can now be ripped without any danger of it being kicked back at the operator.



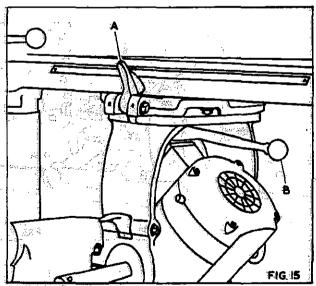
RISE AND FALL OF THE ARM

The arm rise and fall is by means of the handle "A"
in Fig. 14. The handle turns a screw in a brass nut
which is anchored to the foot. The total travel of
the arm is 14" (356mm)

The arm swings 45° each way to the fence with the principle angles located by a tapered latch "B" in Fig. 14. The angles to the fence line are indicated by a pointer on the arm bearing cap at "C".

A powerful lock is provided and can be applied by layer "D"

lever "D"



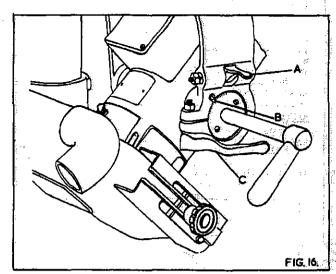
CARRIAGE AND MOTOR UNIT

CARRIAGE AND MOTOR UNIT

The carriage is mounted on four sealed for life ball bearing rollers grooved to coincide with the circular slideways on the arm. The carriage can be locked in any position along the arm by means of the handwheel on the right of the carriage.

The stirrup is fastened to the carriage by a central pin which enables the motor to swivel through 360°. The principle angles are located by a tapered latch "A" in Fig. 15.

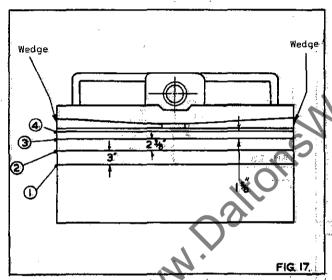
The stirrup can be locked at any angle by the lever "B".



The motor swivels within the stirrup through 90°. The principle angles are located by a tapered latch "A" in Fig. 16.

The angle of cant is clearly shown on a graduated scale by the pointer "B".

The motor can be locked at any angle by the locking lever "C".



The wood table is made in such a way to give four fence positions. The fence can easily be moved from one position to another by knocking out the wedges and placing the table strips to suit whichever fence position is required.

POSITION 1.
This enables a maximum timber size of 12½ wide x 5½ deep (320 mm x 140 mm) to be crosscut with the arm at 90°.

POSITION 2.

This enables a maximum timber size of 15½" wide x
1" deep (320 mm x 25 mm) to crossout with the arm at 900

POSITION

This is the most convenient fence position when cutting compound angles with the arm swung to the left the operator.

There is a rule fitted to each side of the arm for use when ripping. The fence positions, so that these rules show the correct sizes, are as follows:-

When ripping from the right hand side of the machine the rule nearest the operator will read correctly with the fence in positon 4.

When ripping from the left hand side of the machine the rule nearest the operator will read correctly with the fence in position 1.

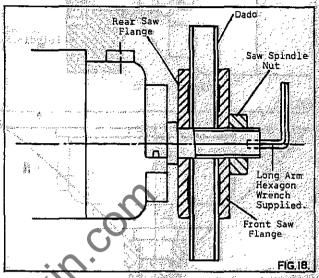
FITTING SAWBLADES

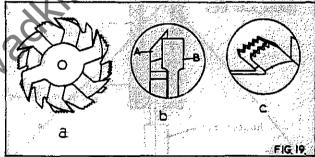
To fit sawblades the undermentioned procedure should followed:-

Remove the sawguard complete from the motor. Fit long arm hexagon wrench into spindle end and remove the spindle locknut, left hand thread, and remove front saw flange.

Fit saw to spindle taking care to ensure the teeth are pointing in the correct direction, also the saw flanges and saw are clean and free from any

dirt or sawdust.
4. Replace saw spindle nut and sawguard.





HOW TO FIT DADO

A dado head is made up of two outside saws and 5
Inner cutters. Various combinations of saw and cutters are used to cut grooves from % to 1 wide (3mm to 25mm). Inner cutters are heavily swaged and must be arranged so that the heavy portion falls in the gullets of the outside saw as shown in Fig. 19 (a), Fig. 19 (b) shows how the saws and cutters overlap "A" being the saw and "B" being the inside cutter. A % (6mm) groove is cut by using the two outside saws fitting the ground teeth directly opposite as shown in Fig. 19 (c) in order to allow clearance for the slight set of the saw teeth.

The dado is secured on the spindle between the standard saw flanges as shown in Fig. 18. To fit dado head remove the sawguard and front saw flange, also remove the driving peg from the rear saw flange.

also remove the driving peg from the rear saw flange.
Fit the outer saws and required inner cutters onto
the spindle and lock in position, then replace sawguard.

HOW TO FIT ROUTING ADAPTOR COSSOLET C hand thread. The sawquaro and Langes shoul in Fig. 20.

The adaptor will take left hand router cutters and boring bits with K" dia, shanks.

HOW TO FIT MOULDING CUTTERBLOCKS

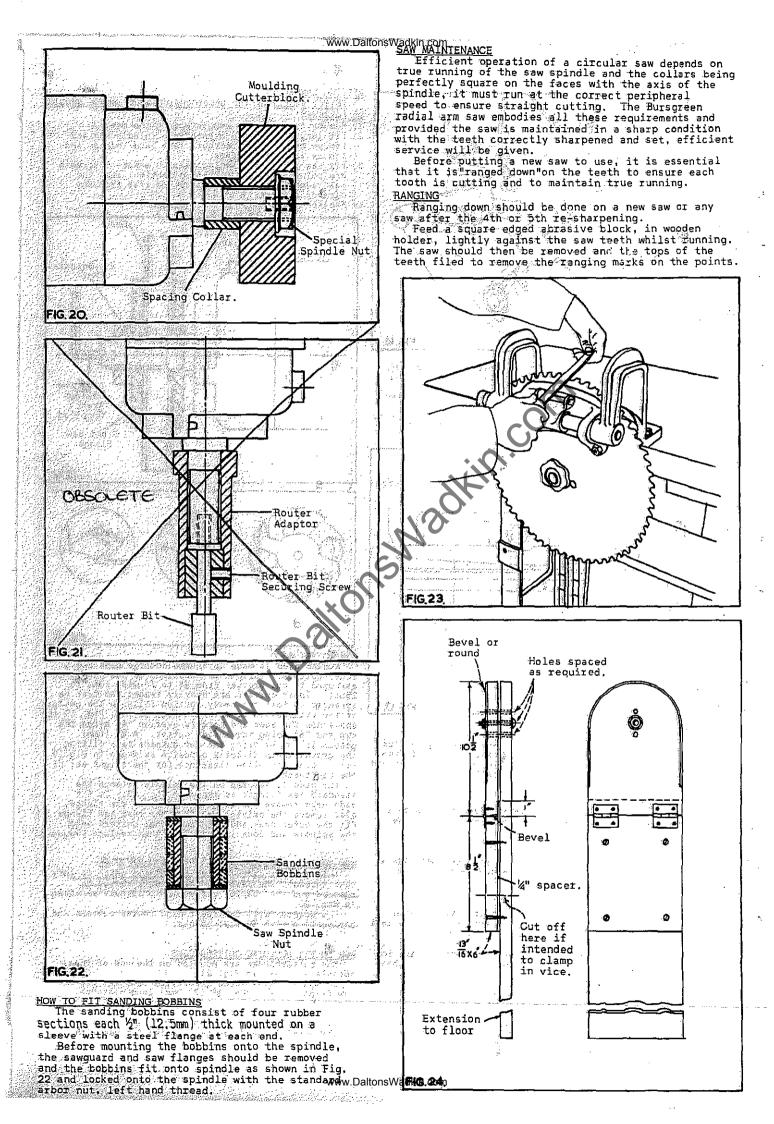
The cutterblocks are mounted on the end of the spindle as shown in Fig. 21.

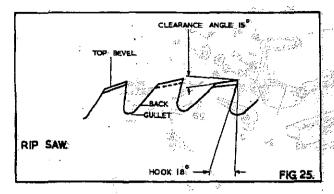
To mount cutterblocks remove the sawguard and saw flanges. Fit the 1/8" (28.5mm) long distance piece supplied onto the spindle then the cutterblock. The special locknut and spanner, type QF.37, should be used to lock the block in position.

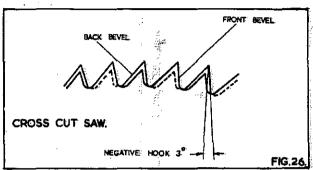
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The special guard can be supplied for use with

these blocks.







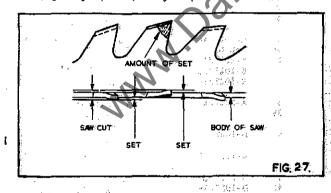
SAW SHARPENING

Do not run a saw when blunt, remove and re-sharpen.
Hold a saw rigid in a vice as shown in Fig. 23 or
a simple saw vice as shown in Fig. 24 which can be

a simple saw vice as shown in Fig. 24 which can be readily made and proceed to sharpen saw.

With rip saw teeth, chisel edges and square faces are needed see Fig. 25. Sharpen by giving each tooth an equal number of strokes with a flat faced saw file with rounded edges. At the same time file the gullet, taking care to keep the gullet well rounded, with a crosscut saw, saw points are needed with back and front bevels, as shown in Fig. 26.

In the course 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 reeds each tooth, giving equal spacing or pitch.



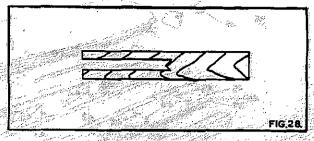
SETTING

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. the tips of alternative teeth are bent to the right and left as shown in Fig. 27. 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 identical otherwise the saw will run to one side. To check the set, cut into a piece of wood of few inches when a small even triangle should be seen, Fig. 28.

The exact amount of set each side varies with the timber being cut, usually .010° to .015° (.03mm to .04c°)

.04mm)

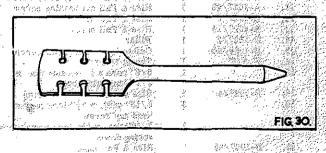
For clean cutting, just sufficient set should be allowed to prevent bending and heating. More set is required for Wet, woolly timber than for dry, close grained timber and the amount of set is greater for crosscutting saws than those for ripping.





MACHINE SETTING

We can supply a small machine for efficiently setting the teeth as illustrated in Fig. 29 and will deal with saws 8" to 36" (202 mm to 910 mm) diameter. The micrometer dial indicates accurate reading of the amount of set in thousandths of an inch.



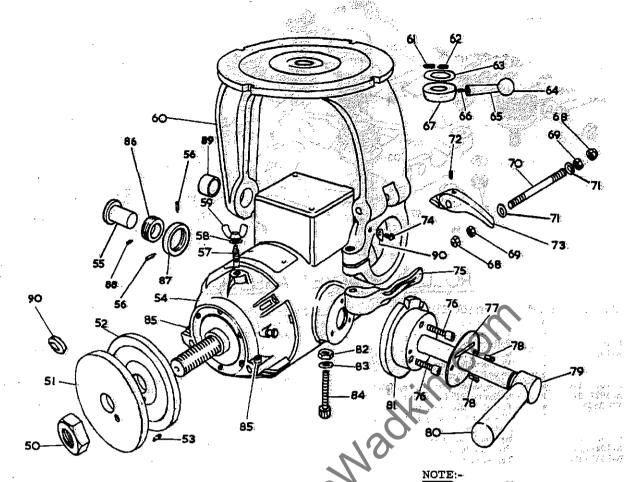
1.05-114 HAND SETTING

Where the number of saws does not warrant a machine being installed the saws are set by hand using a tool shown in Fig. 30. This tool is provided with six notches to take saws 8 to 14 guage thick. For this process of setting, the saw is securely clamped in a vice. adical transfer ta

site the prince English St. A.

				thought to			,
Ref N	o, Part No. No	Off.	Description	Ref 1	No. Part No.	No. off	Description
1.	No. of the second	4	½" whit Nut	32,		1	½" washer.
2,	A-1026/22	4	Washers for foot	33.	A-1027/57	:1	Arm locking handle nut
3.		2	1" dia. x 1" long fluted dowel	34.	. ·	1	3/8" whit, x 1" long socket head
4.		4 .	1 whit x 21 long socket head		E THE THE TE	197	grubscrew
	and the second of the second of the second	it. Agamangaka	capscrews	35.	B-1027/46	1	Arm locking handle
5.	D-1027/3	1	Foot	36.	Patt No. 28	. 1	14" dia plastic ball, 3/8" whit,
6.	•	1	5/8" whit, aerotight nut	37	E-1027/1	7.1	Long Arm (22" x 1" capacity)
7.	francisco de la compansión de la compans	1	5/8" whit, x 5" long hexagon		E-1027/36	1	Standard Arm (17" x 1" capacity)
100	(1923) /E Fig. (1923) 8	والمراجعة	head bolt		E-1027/142	1	Special long arm (25" x 1"
8.	製 -全工数1, 6259 16 Haya, 019 - 69 - 6	1	whit, x i'llong socket head		And the second		capacity)
		in interest	grubscrew	38,	A-1027/6	1	Arm end plate
9,	island Sirili. Tanak os is	1	2" whit x 2" long hexagon head	39.		2	3/8" whit x 3" long socket head
		a give dues a sign	bolt	y.	VV. 999		capscrew
10.		1	Rise & Fall nut adjusting screw	40,	B-1027/37	1	Left Hand arm rule (standard)
2 11 6分	A-1027/40	1	Rise & Fall nut locking screw	e e		7	(0" - 18") (0mm - 457mm)
12.	B-1027/5		Rise & Fall nut		B-1027/56	1	Left hand arm rule (metric)
13	B-1027/15	1	Rise & Fall screw	气度·方图的		_	(0mm - 466mm)
14.	D-1027/2	1	Pillar	41.	B-1027/20	1	Shield for rollers (Left hand)
15.	B-1038/40	1	Collar for rise and fall screw	4 2,	B-1027/39	2	Arm slide rods (standard and
16,	W.5/8"	Nga mganas	Thrust Race		. Posta di		long arm)
17		1	5/8" bore x 4" outside dia, x		B-1027/143	2	Arm slide rods (special long arm)
, P***	to the second of the second se	r Sarjen william	5/8" long oilite bush	9 (16 (30 ° 2 49 , 1	CK. 76	8	2BA Cheese head screw
18.	B-1027/4	1	Rise and fall handle bearing	・ クター リザー・・ ・ 存分も元子を含さない。	A-1027/349	8	Screw (for extra long arm)
19.	. 4	3 .	5/16" whit, x 12" long socket	44.	gradia a grada	В	🛂 washer
glogi stepes			head cap screw	45.	and the state of	- 8	4" whit x 3/8" long round head
20.	أومعه ومحييت سكت وبمرسسة ومؤمد مشاويتسيب أوال	Ligerit sadds	3/16" dia. x 12" long groverlock	1 60 four	Control of the second	ž.	screw
M	@		spring dowel	್ರ್ಷ		- 4	illiong self tapping screw
21.	B-1027/45		Rise & Fall handle	Paul Seu 476	To read the	4	1/8" brass washer
22.	Patt No. 4		3" plastic handle	48.		1	Right hand rule (standard)
23,	Alteratives and a		3/8" whit, thin aerotight nut	655 40 tv 6 647	sekopanyan di di Nambasa sa di		(0" - 14") (0mm - 356mm)
24. 25.		2 ************************************	3/8" whit. locknut,	G 89.	B-1027/56	1	Right hand rule (metric)
	A-1055/22		Spacing washer for arm lock				(0mm - 355mm)
26. 27.	A-1027/172	- 1888 - 1888	Pivot pin for pillar latch		C-1027/20	1	Shield for rollers (right hand)
28,	B-1055/9	l a wiji b	1" long No. Z4 self tapping screw Arm locating latch	49A. 49B.	A-1055/13	∵.3 ‴3	Location bolt.
29.	A-1027/155	ī	Arm locking bolt	4819		3	3/8" whit x 3/8" long socket
30.	A-1054/58	i	Pointer for arm.	49C.			head grubscrew
31.	,	1	Arm locking handle stop	250.		4	2 wasner
	44-ADE1/120 .	•	er m restuk ustane srob				

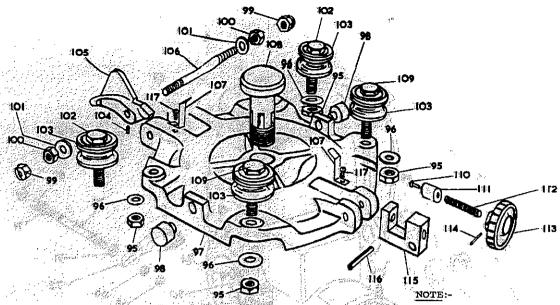
物集



STIRRUP ASSEMBLY

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

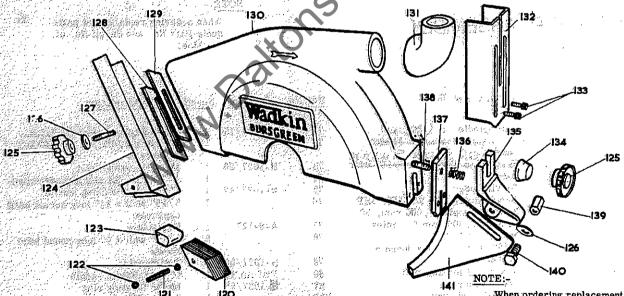
•	•						Tee # "集":
Ref. No.	Part No. No.	o, off	Description	Ref. No	Part No.	No. off	Description
				100			
50	A-1027/21	1	Saw spindle nut (38LLL)	71	A-1027/170	2.//	Fibre washer for motor latch
51		1	Saw flange (Front with 11/32"	72		1	i' whit x 3/8" long socket head
	,		hole) FOR SOLU SOLONE				grubscrew
52	B-1027/22	1	hole) FOR 30 MM STINOLE Saw Dange (back with 5/16" white	73:	B-1027/26	1	Motor locating latch
	,		hole)	74	·	1	lin long No. Z4 self tapping screw
53	A-1027/58	1	Driving peg	75	B-1027/47	1	Motor pivot locking handle
54	•	1.	Brook motor type WS, 105, 5HP	76	vă	3	5/16" whit x 1½" long socket head
•			3 phase supply, 3,000 rpm, 50		1/4		capscrew
			cycles, 3,600 rpm 60 cycles	77	A-S-127	1	Nameplate
55	A-1038/75	1	Motor pivot shaft	78	•	2	3/16" whit x 2" long round head
56	·	2	$5/16!!$ whit $x \frac{3}{4}!!$ long dogpoint				acrew
			grubscrew	7 9 :	B-1027/50	() (1)	Pull handle
57	A-1027/67	1	Saw guard locking stud	80	Patt No. 10	1	4" long plastic handle
58	•	1	3/8'' washer	81 .	B-1027/25	1	Motor locating ring
59		1	3/8" whit wingnut	82	V9. 8	1	3/8" whit nut
60	E-1027/8	1.	Stirrup	83	William I.	1	3/8" brass washer
61	,	1	$\frac{1}{4}$ " whit $x \frac{1}{2}$ " long socket head	84	ight filter i de market National et al a american	1	3/8" whit x 23" long socket head
			grubscrew				capacrew
62		1	$\frac{1}{4}$ "whit x 5/8" long socket head	85		2	₹" whit x 3/8" long socket head
			grubscrew	165		74.3	capscrew
63	A-1027/55	1	Washer for stirrup pivot screw	86	A-1038/82	1	Small motor pivot adjusting bush
64	Patt No. 28	1	$1\frac{1}{4}$ dia plastic ball, $3/8$ whit	· 67	A-1038/83	1	Large motor pivot adjusting bush
65:	B-1027/46	1	Stirrup locking handle	88	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	5/16" whit x 3/8" long dogpoint
66	,	1	3/8" whit x 1" long socket head		a. a. thirt	1 7 50403	grubscrew
			grubscrew	89	, 771 774	1	5/8" 1/d x 3" o/d x 5/8" long
67	A-1027/19	1	Stirrup pivot locknut				oilite bush
68	, - -	2	whit thin aerotight nut	90	A-1054/58	. 18 e 🕸	Pointer for arm
69		2	whit locknut	.4.1. 91			Bush for flange
70	A-1027/173	1	Pivot pin for motor latch	:	•		in the state of th
	, -		(4½" long)				. One to



ROLLER BRACKET ASSEMBL)

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.
95		4	3/8" whit nut	108 B-1027/3	8 1	Stirrup pivot screw
96	Jan Harris	4	3/8" washer	109/ A-1027/3	5 / 2	Plain pin for roller
97	D-1027/7	1 🕺	Roller Bracket	110	建筑"为 范	1/8" dia x lillong fluted rivet
98	A-1027/18	2	Rubber Stop	111 A-1027/4	2 1	End piece for carriage locking
99	The state of the s	2	1' whit thin aerotight nut	Activities the second	•	screw
100		2	1' whit locknut	112 A-1027/4	3 1	Carriage locking screw
101	A-1027/170	.2	Fibre washer for stirrup latch	113 Patt No. 3	18, 1	14" dia plastic handwheel 3/8"whit
102	A-1027/34	2	Eccentric plu for roller	25 114	1	1/8" dia x 4" long groverlok
103	FG.3400	4	F.B.C. roller bearing			spring dowel
104		1	whit x 3/8" long socket head	115 B-1027/1	4 1	Travel lock
400年1月1日	4.		grubscrew	116	1	3/16" dia x 1½" long greverlok
105	B-1027/13	1	Stirrup locating latch			spring dowel
106	A-1027/173	. 1	Pivot pin for stirrup latch	117	2	3/16" whit x 3/8" long round head
107	B-1027/338	. 2 :	Travel pointers			screw
			#1,75% yes			



SAWGUARD ASSEMBLY

When ordering replacement parts quote Part No. and Serial No. of machine,

77 / 77			Santa at Sallingini		97.4		1.	1. The state of th
Ref.	No. Part No.	No. Off	Description	08.	Ref.	No. Part No.	No. Off	Description
120		13	Kickback finger	Dan Feb	131	B-1038/19	1	Chip chute
121	A-1027/262	a Justine	Pin for kick back brac	ket	132	B-1027/17	od i nitah kil	Saw guard visor
122	5115-18	2	Salter push on retainer		133	war die	102 m. m. 1	$5/16$ " whit $x = \frac{3}{4}$ long socket head
123	A-1027/59	1	Kick back finger press	ure pad	22	***	uni Carina	capscrew
124	B-1051/3	育 1 多洲 数额	Kick back bracket		134	A-1027/51	1	Riving knife distance piece
125	Patt. No. 32		14"dia plastic handwhe	sel 3/8"	105	B-1027/16		Riving knife bracket
	300 TO THE	ខេត្ត គឺ	whit T.R.T.		136	A-1027/30	1 4	Riving knife spring
126		2	3/8" washer		197	A-1027/28	$w_{f i}$ ol Yed	Riving knife locating plate
127		- 1	3/8! whit x 12" long sti	ud/:>	: 138°			3/8" whit x 24" long stud
128	A-1051/11	5 11	Auxillary cover for kic	k back	139	A-1027/29	ī	Riving knife nut
			bracket		140	11 1011/12	1	3/8" whit x 1" long hexagon head
129	A-1051/10		Cover for kick back br	acleat	740	٠, ٠		bolt wint k i long nexagon neau
130	D-1051/1	1	Saw guard	AUNCI	141	B-1027/23	1	Riving knife

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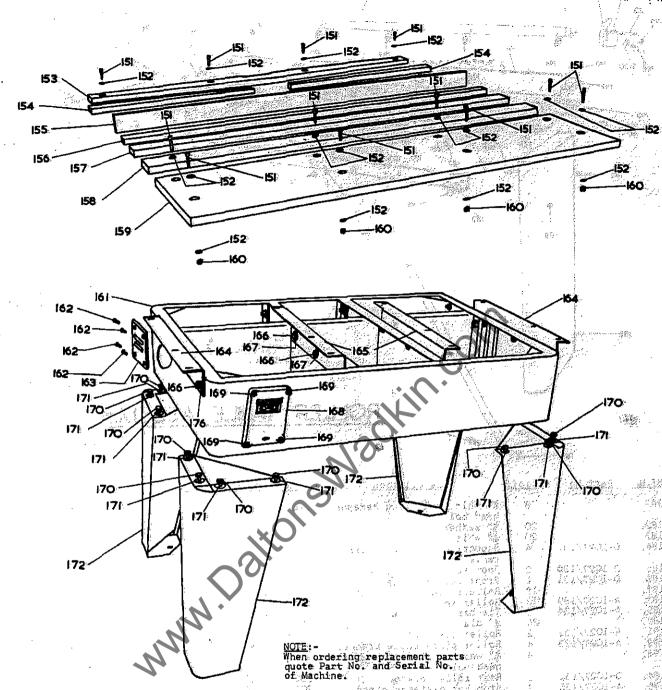
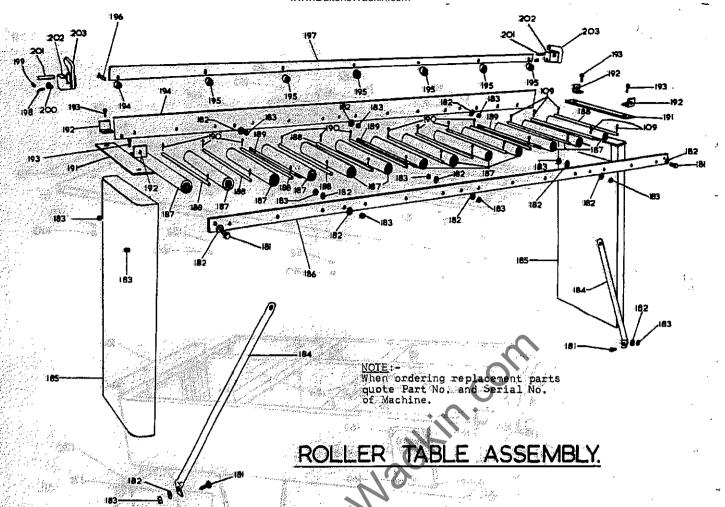
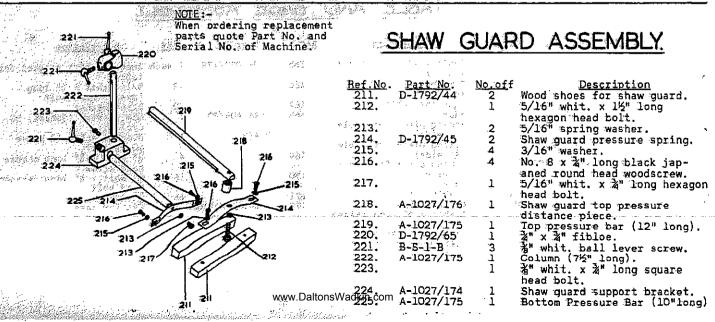


TABLE AND BASE ASSEMBLY

Ref No.	Part No.	No.off	<u>Description</u>	Ref No.	Part No. 1	lo. off	Description	ž.,
151		12	%"whit x l" long cheese head screw	165	B-1027/178		Inner support bracket for table	. · :
152		24	washer	166		12	5/16" whit x 1" long	
153	B-1027/194	1	Back support				hexagon head bolt	- 13
154	A-1051/9	2	Wedge for table	167			5/16 washer	ď.
155	4-1027/199	1	Fence ,	168	84 ADS/FO	A 100 100 100 100 100 100 100 100 100 10	MEM starter (3phase, 50	•
156	A-1027/199	1	Packing piece for table (1%" wide)		AT3	100	cycles). Brook starter (3 phase	
157	A-1027/199		Packing piece for table (2%" wide)	169	era. P	4	60 cycles) 4" whit x %" long cheese	· ·
158	A-1027/199	1	Packing piece for table (3" wide)	170	4	3.7	head screw %" whit x %" long hexagon	7
159	B=1051/P	1.	Table	788 Sec. 15	\$IM, 917		head bolt	
160		12	%" whit nut	171	All recons	16	i washer	
161	C-1027/171A	&B. 1	Body for base	172 6.	C-1027/1710	2D 4	Leg for base	
162		4	"W" whit x 5" long raised:	2.1454	A. C. 一滴云流	er a final descrip	To The Ages	•]
163 164	B-1031/53 B-1027/177		head screw Cover plate for base Outer support bracket for table					



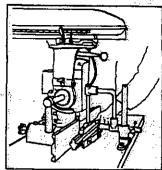
Ref.No.	Part No.	No.off	Description	Ref.No.	Part No.	No.off	<u>Description</u>
181	A Sharing Control	8 耆 whi	t. x ¾" long hexagon	196.		.7	5/16" whit. x 1½" long cheese
182. 183.		head b 20 清" was 20 清" whi	her.	197.	A-1027/183		thead screw. Stop bar for roller table to right of saw (standard).
184,	D-1027/131	4 Suppor	t strut for roller		A-1027/184	1	Stop bar for roller table to left of saw (standard).
185 186	C-1027/130 D-1027/131	2 Foot f	or reller table. roller plate,		A-1027/185	1	Stop bar for roller table to right of saw (metric).
/ 187 188:	A-1027/189	13 Roller	115" O.D. x 12" lon	g) 🛒	A-1027/186	1	Stop bar for roller table to left of saw (metric).
	A-1027/134	3 Tie ba			A-1026/54	. 2	Pointer for turnover stop. 名" whit. x 者" long socket
191	A-1027/132 A-1027/133	2 Roller	tie plate.	•	B-5-1-B	2	head grubscrew. %" whit. ball lever screw.
193.	A-1027/133	4 🍇 whi:	plate angle bracket. t. x l" long hexagon	201.	/ D-9-T-D	2	5/16" dia. x 2" long
194	D-1027/131	l Rear r	olt. plate.	202	A-1027/83	2	hardened ground dowel. Turnover stop holder.
195.	A-1027/135	1145 1144 - 1144 441	ar distance piece.	203.	A-1027/84		Turnover stop.



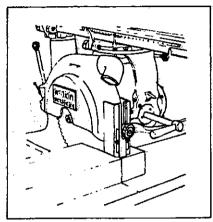
REBATING WITH DADO HEAD

APPLICATIONS

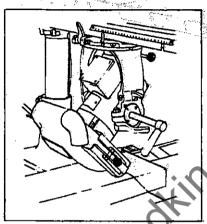
There is a place in every woodworking shop for this versatile machine. The saw unit rotates horizontally through 3600 and fits to any angle from horizontal to vertical; it can be locked in any position along the arm which swings 45° either way. Thus by simple, quick and positive movements the, saw can be arranged to do crosscutting, bevel crosscutting, mitring, compound angle cutting, ripping and bevel ripping to a maximum of $4\frac{1}{2}$ " (114) mm) cut. In addition by fitting dado or trenching heads, cutterblocks, moulding blocks etc. an almost unlimited variety of operations are possible - even disc and bobbin sanding can be done with this. extremely versatile machine.



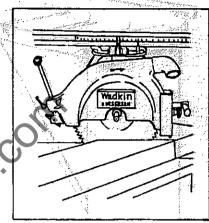
MOULDING WITH CIRCULAR CUTTERBLOCK



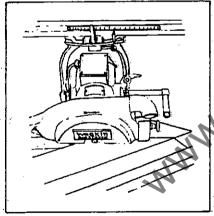
CROSSCUTTING.



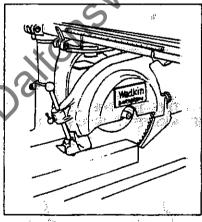
BEVEL CROSSCUTTING.



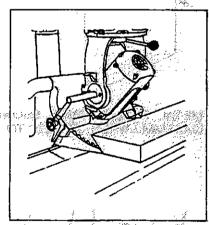
MITRING.



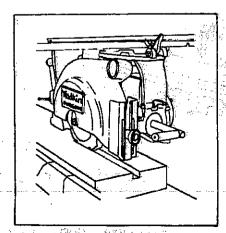
COMPOUND MITRING



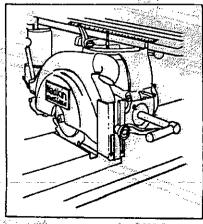
STRAIGHT RIPPING.



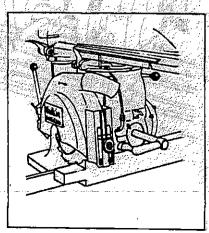
BEVEL RIPPING.

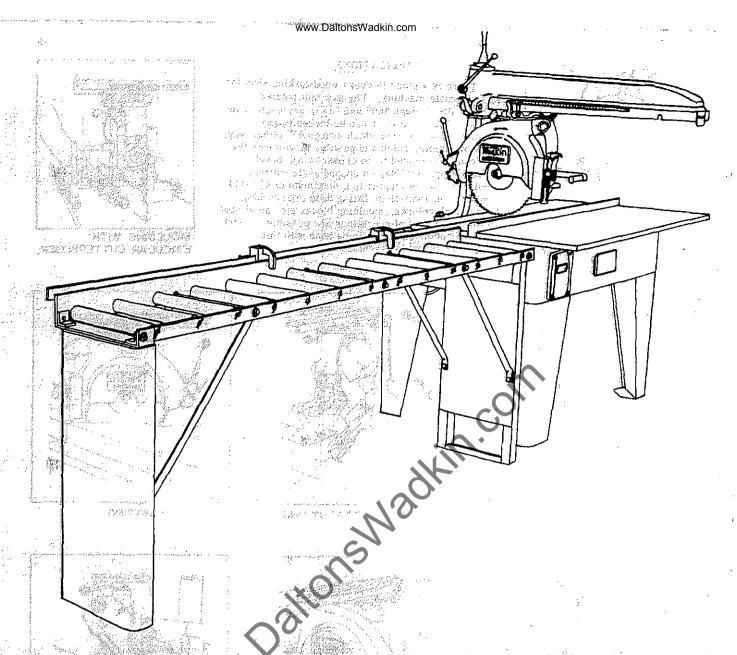


PLOUGHING WITH DADO HEAD.

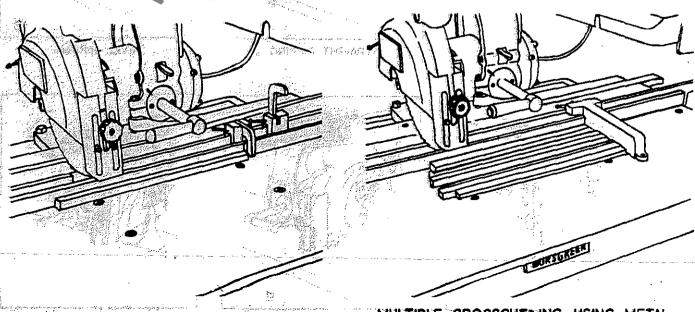


GROOVING WITH DADO HEAD TENONING WITH DADO HEAD





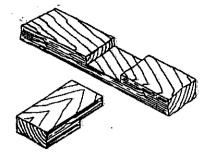
METAL ROLLER TABLE SHOWN FITTED TO THE LEFT OF THE SAW TO GIVE A MAXM OF BFT (2/438MM). WHEN FITTED TO THE RIGHT IT GIVES A MAXM OF 9FT (2/43MM). (2/438 MM) WHEN FITTED TO



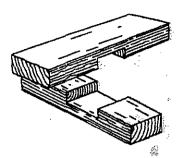
CROSSCUTTING USING TURNOVER STOP & METAL FENCE FOR REPETITION WORK DaltonsWadkin.co READILY FITTED TO THE STOP BAR.

MULTIPLE CROSSCUTTING USING METAL

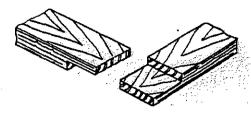
THE ILLUSTRATED JOINTS CAN BE READILY DONE ON THIS MACHINE, SOME MAY REQUIRE SIMPLE JIGS.



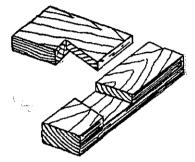
TEE HALF LAP.



MIDDLE HALF LAP



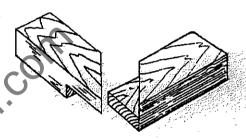
END HALF LAP



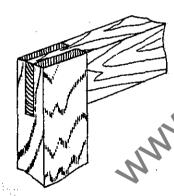
DOVETAIL HALF LAP (ONE SIDE ONLY).



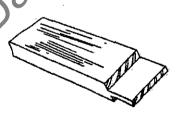
DOVETAIL HALF LAR



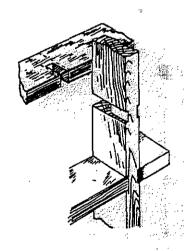
MITRED: FACE WITH HALF LAR



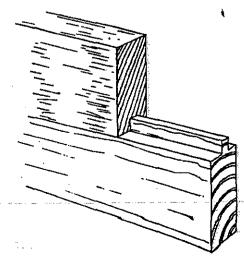
OPEN MORTISE & TENON.



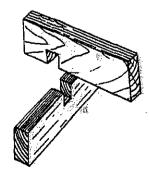
TENONS.



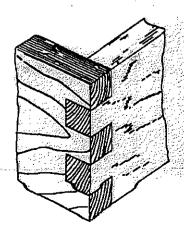
LAPPED JOINT WITH GROOVE (USEFUL FOR SHELVING)



TONGUE & GROOVE



MIDDLE HALF LAP



BOX JOINT