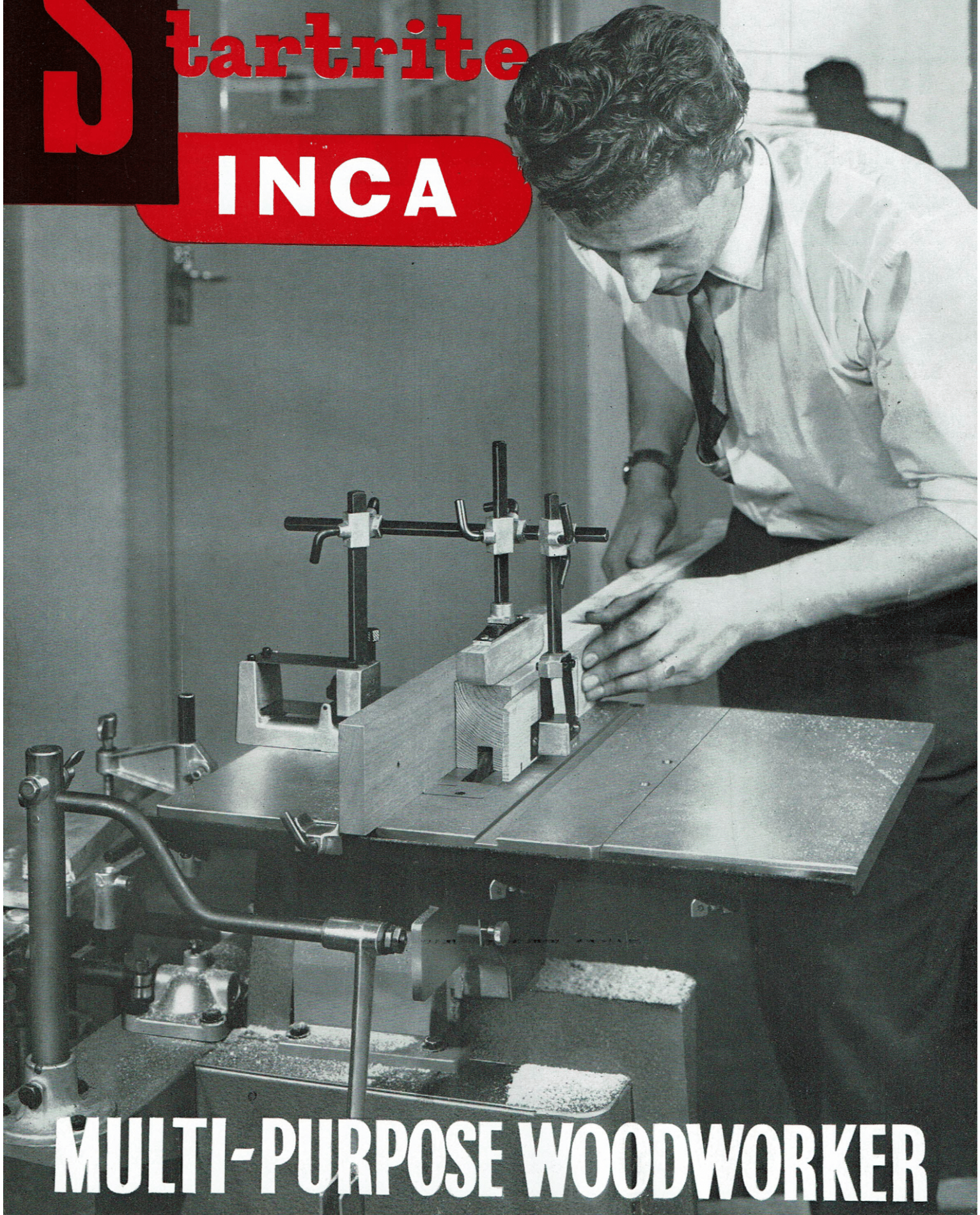


**S**

**tartrite**

**INCA**

Mar. 1977



**MULTI-PURPOSE WOODWORKER**

# Versatile • Compact •

## 15 OPERATIONS WITH 1 MACHINE

**NO . . .**

**TIME WASTING**

**NO . . .**

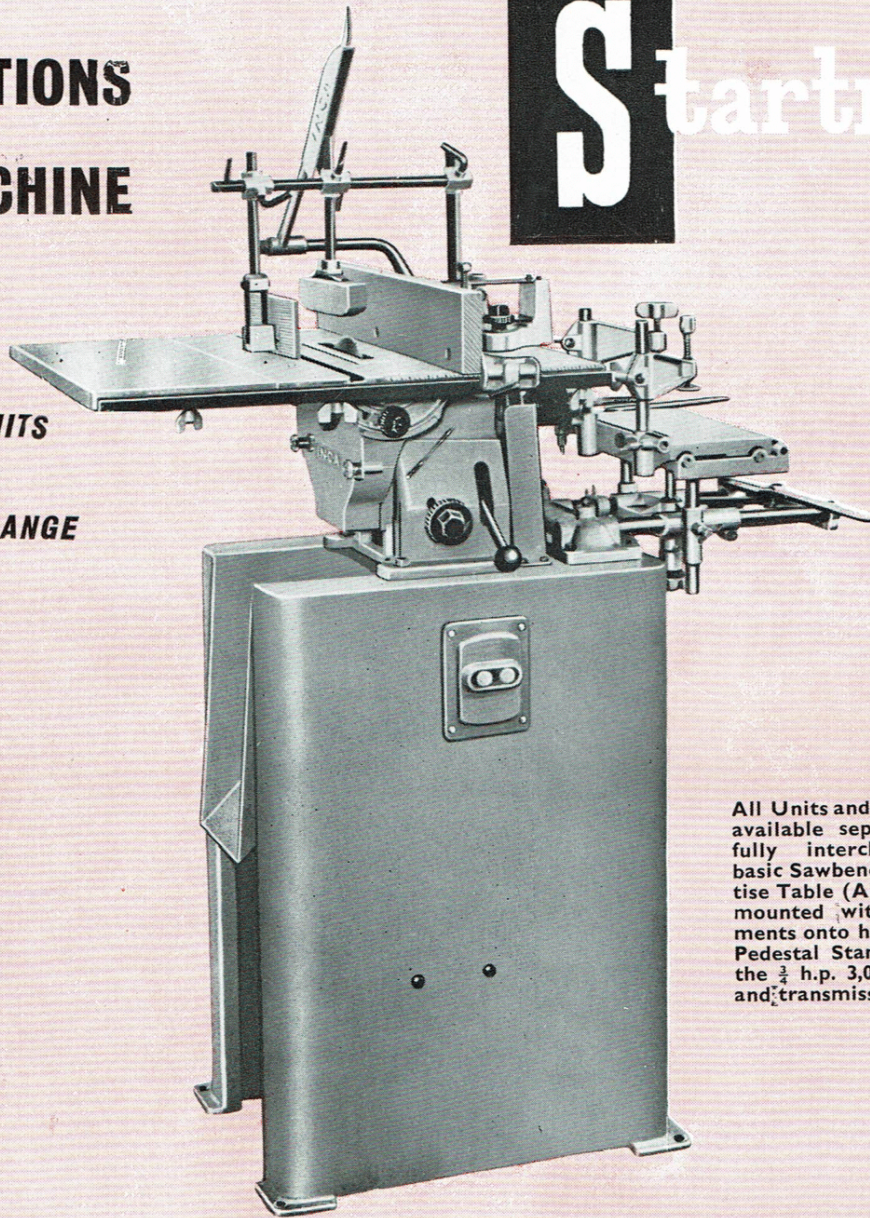
**CHANGEOVER OF UNITS**

**NO . . .**

**BELT OR PULLEY CHANGE**

- RIPPING**
- CROSS CUTTING**
- BEVELLING**
- TONGUING**
- GROOVING**
- MOULDING**
- MORTISING**
- TENONING**
- CORNER LOCKING**
- MITREING**
- BORING**
- FLAT SANDING**
- PROFILE SANDING**
- REBATING**
- POWER TAKE OFF**

# S tartrite



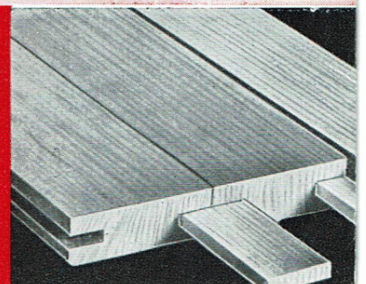
All Units and attachments are available separately and are fully interchangeable. The basic Sawbench (51) and Mortise Table (AF.175) are shown mounted with other attachments onto heavy gauge Steel Pedestal Stand which houses the  $\frac{3}{4}$  h.p. 3,000 r.p.m. motor and transmission.



The basic Sawbench (51) mounted with motor installed under bench—a simple arrangement where only the Sawbench is required. Mortise Table and other units may be added when required.

Model 51 Sawbench only without motor.

All these cuts and joints and many others may be made quickly and accurately on the INCA . . . . .



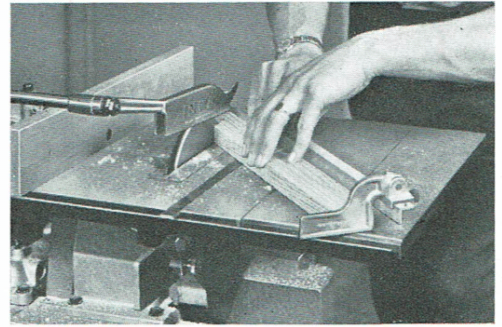
# Powerful • Accurate •

## NCA

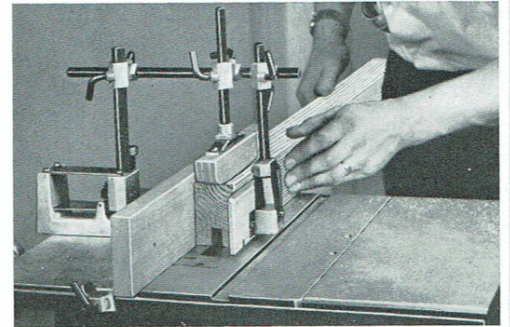


In any arrangement or combination of INCA Units the Saw Bench (51) is the essential 'heart' of the woodworker. The Saw Bench is capable of precision ripping and cross-cutting up to 2 $\frac{1}{8}$ " depth of cut on heavy work-pieces in hard or soft woods. The powerful  $\frac{3}{4}$  h.p. motor will cope adequately with all operations up to the fullest capacity of the machine without sign of stalling. The Sawbench Table has a rise and fall mechanism guided on widely spaced slideways with positive lock. The table tilts through 45° and may be locked in any intermediate position. The extension section, locked onto slide-rails, may be used on either side of the main table which, fully extended, measures 16 $\frac{1}{2}$ " x 25 $\frac{1}{4}$ ". A full-length self-aligning rip-fence, with rear stop, is supplied. The pivoting saw guard is mounted remote from the bench, and may be removed for large panel cutting.

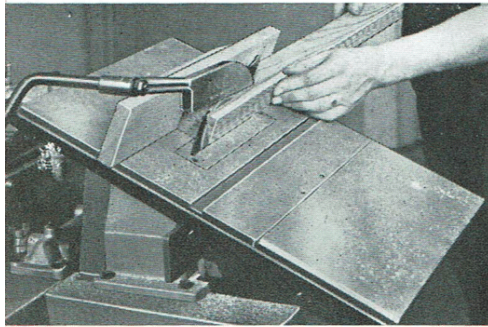
The precision mitre guide is graduated 45°, 60°, 75°, 90°, and is fitted with adjustable repetition end stop.



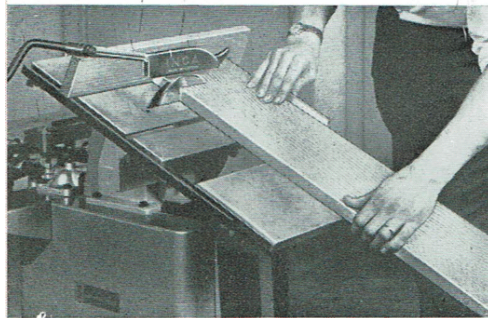
MITREING . . . Using repetition end stop



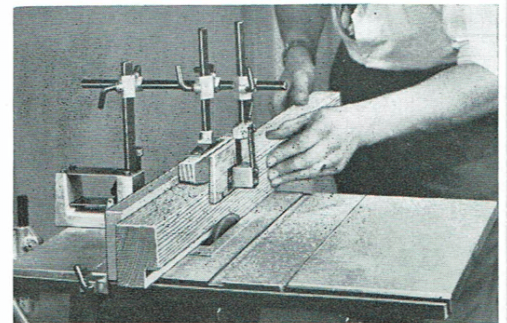
TRENCHING . . . Using Wobble Saw and protective device



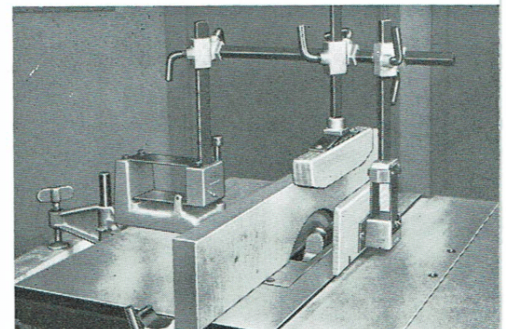
RIPPING . . . Table Tilted



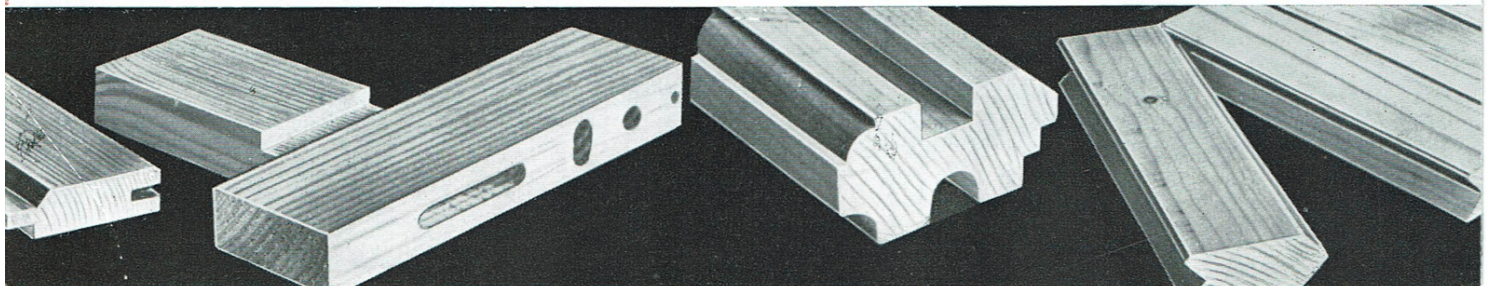
CROSSCUTTING . . . Table Tilted



REBATING . . . Using Wobble Saw and protective device



SET UP FOR MOULDING . . . With recessed facing to fence



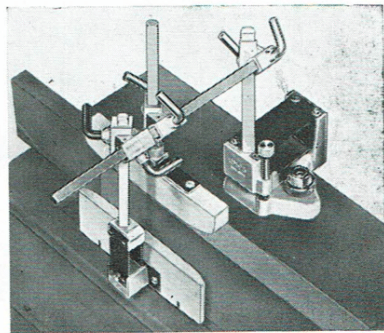
# Robust • Economic

The guide bar runs in a dovetail slot to the left of the saw and mitres of the highest accuracy are possible.

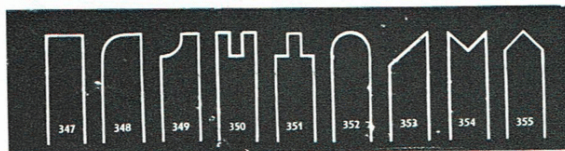
The spindle of the Saw Bench is arranged to accept wobble washers for grooving, trenching and rebating with a standard saw blade, and for greater dimensional accuracy in these operations a series of grooving saws is available. These grooving saws are particularly useful for comb-jointing where accurate fit and clean finish are essential.

A safety type moulding block to accept two cutters is also used on the saw spindle. The moulding cutters are slotted for safe fixing and, having a malleable iron core, are splinterproof. Nine standard shapes are available and non-standard shapes may be obtained.

Three different table inserts are supplied for sawing, grooving and moulding.



PROTECTIVE DEVICE for moulding and grooving operations

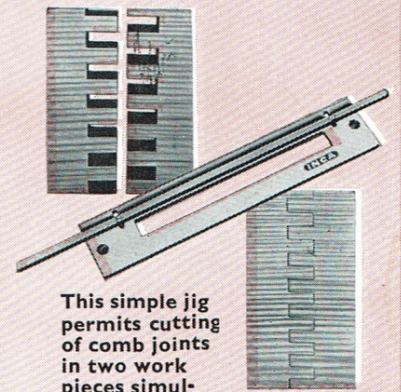


MOULDING CUTTERS . . . With Pattern Nos. All  $\frac{3}{8}$ " wide

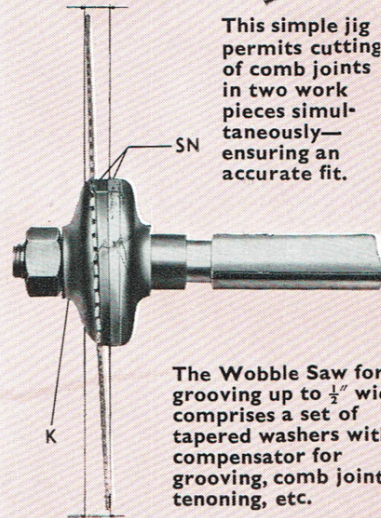
Highly recommended for all surface planing and thicknessing operations is the companion machine—STARTRITE-INCA  $8\frac{1}{2}$ " Planer with Thicknesser attachment. Separate literature and price details available on request.



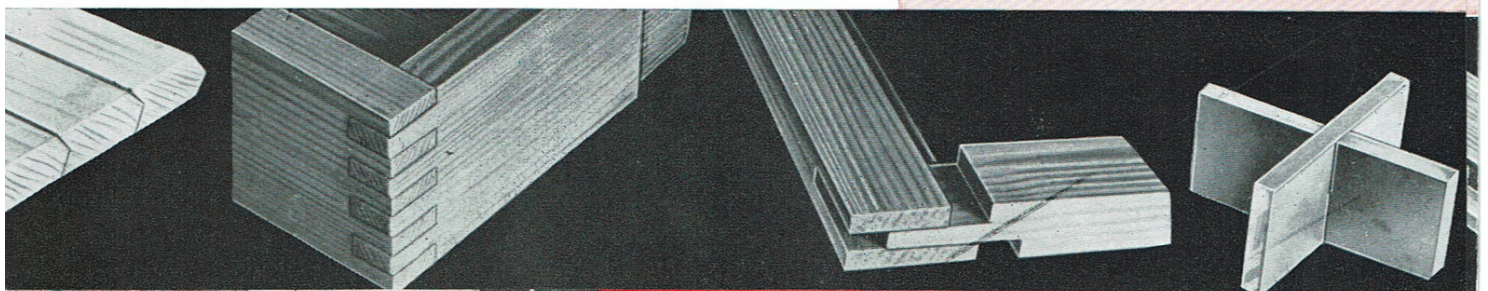
A special protective device is recommended for grooving and moulding operations. This device with spring loaded wooden pads capable of fine adjustment, makes for the safest and most accurate grooving and moulding.



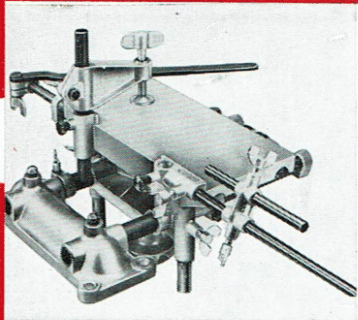
This simple jig permits cutting of comb joints in two work pieces simultaneously—ensuring an accurate fit.



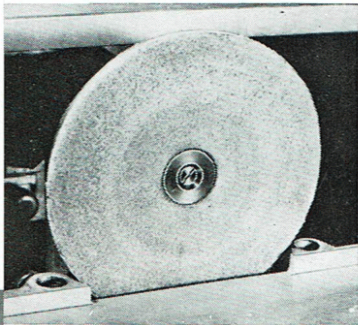
The Wobble Saw for grooving up to  $\frac{1}{2}$ " wide comprises a set of tapered washers with compensator for grooving, comb jointing, tenoning, etc.



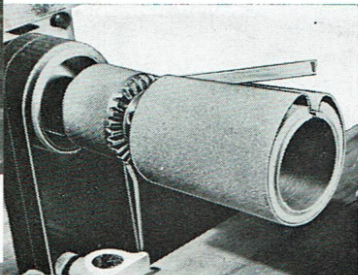
# SWISS PRECISION BUILT



The compound action Mortise Table is mounted to the right of the Saw Bench, at which side the spindle is extended to accept a taper fitting 3-jaw precision chuck using mortise bits. The table has a side movement of  $3\frac{1}{2}$ " , depth movement of  $4\frac{1}{2}$ " , and elevation through  $2\frac{3}{8}$ " . All movements may be locked. With this arrangement it is possible to carry out accurate mortise cuts, long hole boring and dowel hole drilling.



A 6" Disc Sanding Plate for flat sanding, end sanding and external radius forming fits the 3-jaw chuck.



A 2" diameter Drum Sander for profile sanding is also used at the chuck station.

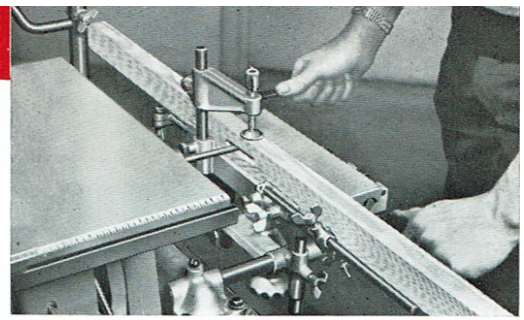
A heavy duty 5' flexible shaft with fitted  $\frac{1}{4}$ " chuck is available for out-of-the-way jobs.

Designed and built to exacting standards by Swiss engineers, the STARTRITE-INCA Multi-purpose Woodworker is a unique machine offering versatility with economy to a wide range of users—Carpenters, Builders, Cabinet Makers, Joiners, Signmakers, Picture-frame Makers, Model Makers, Pattern Makers, Boat Builders and Maintenance Shops.

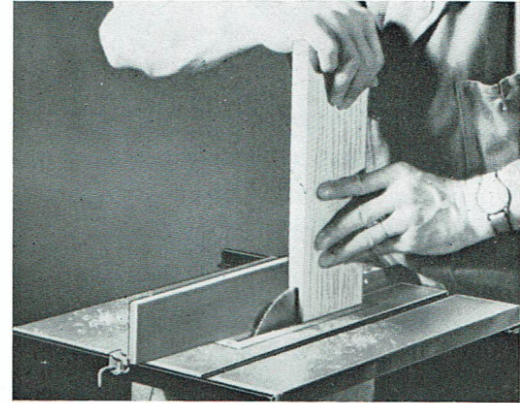
All STARTRITE-INCA units, attachments, accessories and parts are fully inter-changeable and may be added to existing units at any time and fitted by the user without difficulty. Components and parts are manufactured to close tolerances from special rust-free pressure die-cast alloy and high grade steel with corrosion-resistant finish.

Particular attention has been paid to methods of guarding—the saw blade is fully guarded beneath the table; transmission is accessible only by removing a guard; the overarm saw guard is pivoted with a friction fit and may be positioned for maximum safety; the protective device recommended for grooving and moulding operations holds the workpiece firmly and safely against the tool.

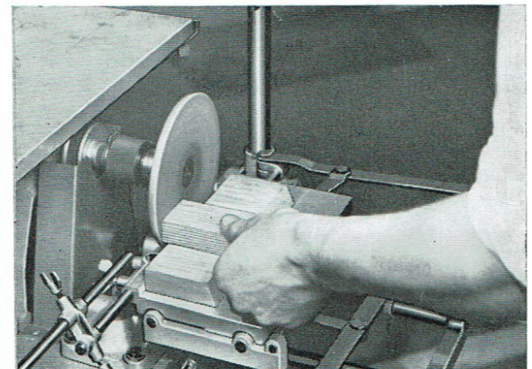
Special guarding features, and the versatility of the machine, make the STARTRITE-INCA highly suitable for teaching and demonstrating in safety a wide range of wood-machining operations to Students and Apprentices in Industry and Schools.



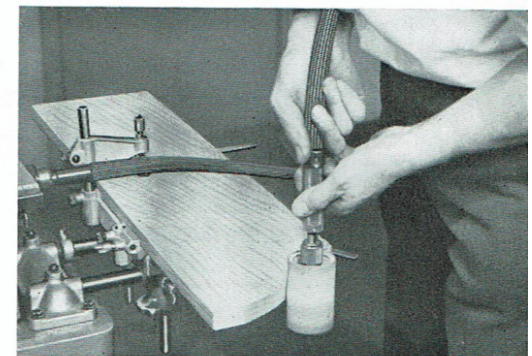
MORTISING



TENONING

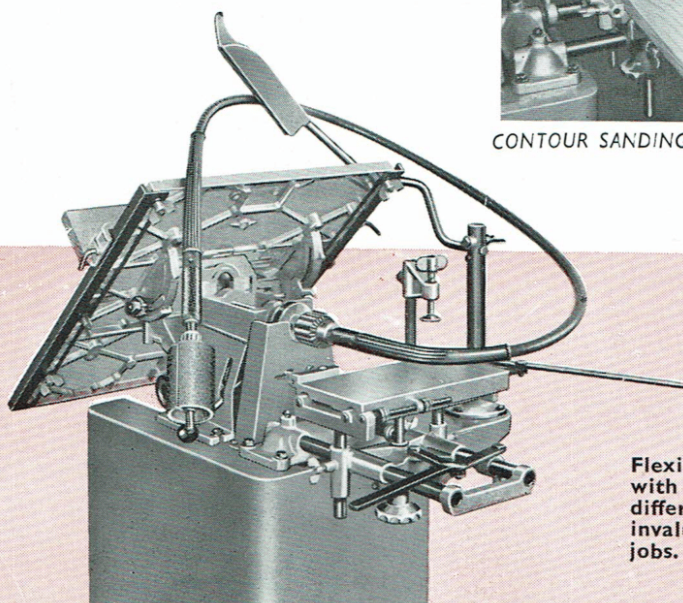


FLAT SANDING



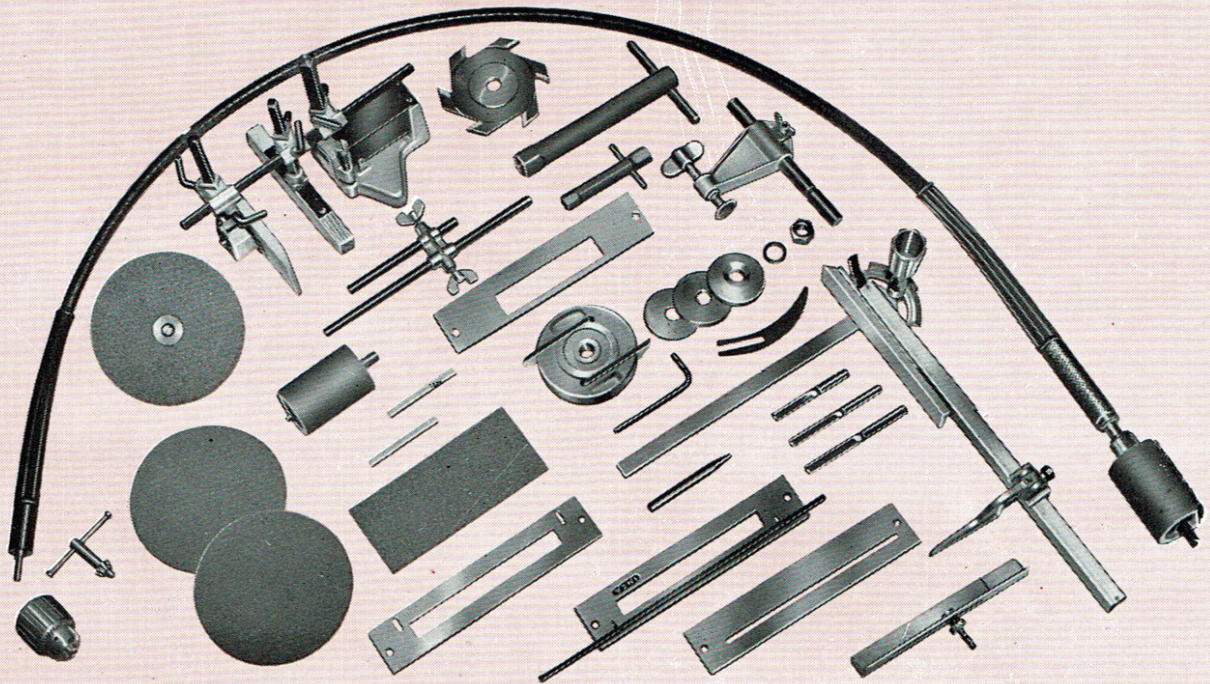
CONTOUR SANDING . . . Using flexible shaft.

View underside of Sawbench showing arrangement of ribbing to give maximum rigidity to table. Widely spaced trunnions ensure accuracy in table tilt positioning.



Flexible Shaft shown fitted with Drum Sander. Used with different tools, this shaft is invaluable for out-of-the-way jobs.

# EASILY THE MOST VERSATILE WOODWORKER IN ITS PRICE RANGE



Some of the numerous attachments and tools available with the INCA WOODWORKER

## Principal Dimensions and Capacities

Saw Bench 51	Table $16\frac{1}{2}'' \times 25\frac{1}{4}''$	} Depth of saw cut	Tilt
Saw Bench 54	Table $16\frac{1}{2}'' \times 13\frac{3}{8}''$		
Type 54 may be converted to Type 51 at any time by purchasing guide rails, extension table and nuts, etc.			
Tapered washers..	..	..	.. permit grooves up to $\frac{1}{2}''$ wide to be cut.
Moulding Head ..	..	..	.. safety pattern takes $2 \times \frac{3}{4}''$ wide cutters.
Moulding Cutters	..	..	.. 9 standard shapes (special shapes to order).
Chuck ..	..	..	.. 3 jaw precision type $\frac{3}{8}''$ capacity.
Disc Sander ..	..	..	.. 6" diameter.
Drum Sander ..	..	..	.. 2" diameter.
Mortise Table ..	..	..	.. Elevation through $2\frac{3}{8}''$ } Adjustable with
			.. Side movement $3\frac{1}{2}''$ } Lock nuts.
			.. Depth movement $4\frac{1}{2}''$ }
Maximum Mortise ..	..	..	.. $\frac{3}{8}'' \times 3\frac{1}{2}''$ in one pass.
Mortise Bits ..	..	..	.. $\frac{1}{4}'' : \frac{5}{16}'' : \frac{3}{8}''$ .
Flexible shaft ..	..	..	.. 5' Long complete with chuck.
Power required ..	..	..	.. 0.75 h.p.
Floor area (Floor Model)	..	..	.. $17'' \times 12''$ .
Overall size (Floor Model)	..	..	.. H.36", L.34", W.23" (approx.).

All STARTRITE-INCA Units, Attachments and Components are guaranteed for one year against faulty manufacture or defective materials. A 24-page Booklet and Parts List accompanies each Saw Bench Unit. Detailed instructions for mounting and using other attachments are issued where necessary.

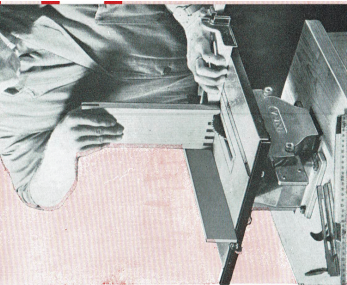
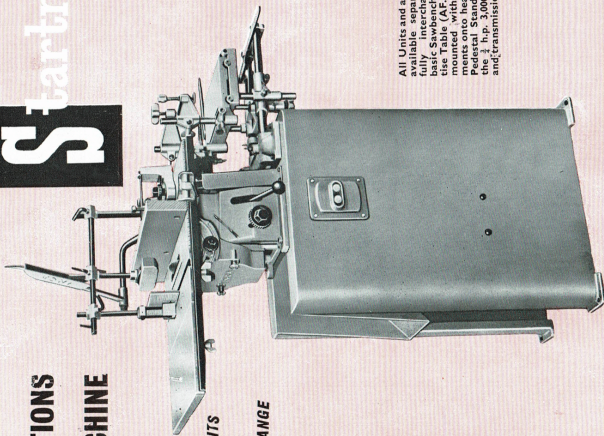
See Price List and Function Schedule for full details of all Units and Accessories available together with suggested Unit combinations.

# Versatile · Compact · Powerful · Accurate · Robust · Economic

## Startrite INCA

### 15 OPERATIONS WITH 1 MACHINE

- NO . . . . . TIME WASTING
- NO . . . . . CHANGEDOVER OF UNITS
- NO . . . . . BELT OR PULLEY CHANGE
- RIPPING
- CROSS CUTTING
- BEVELLING
- TONGUING
- GROOVING
- MOULDING
- MORTISING
- TENONING
- CORNER LOCKING
- MITRING
- BORING
- FLAT SANDING
- PROFILE SANDING
- REBATING
- POWER TAKE OFF



All units and attachments are available separately and are priced accordingly. The basic Saw Bench (S1) and Mortise Table (AF175) are also available. The motor is mounted onto heavy gauge Steel and is rated at 5,000 r.p.m. motor and transmission.

The basic Sawbench (S1) mounted with motor and Table (AF175) is available where only the Sawbench is required. Mortise Table and other units may be added when Model S1 Sawbench only without motor.

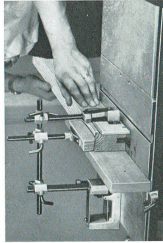
All these cuts and joints and many others may be made quickly and accurately on the INCA . . . . .

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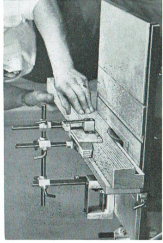
The guide bar runs in a dovetail slot to the left of the saw and mitres of the highest accuracy are possible. The spindle of the Saw Bench is arranged to accept wobble washers for grooving, trenching and rebating with a standard saw blade, and for greater dimensional accuracy in these operations a series of grooving saws is available. A safety type moulding block to accept two cutters is also used on the saw spindle. The moulding cutters are slotted for safe fixing and, having a malleable iron core, are splinterproof. Nine standard shapes are available and non-standard shapes may be obtained. Three different table inserts are supplied for sawing, grooving and moulding. A special protective device is recommended for grooving and moulding operations. This device with spring loaded wooden pads capable of fine adjustment, makes for the safest and most accurate grooving and moulding.



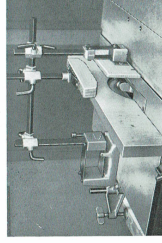
MITRING . . . . . Using repetition end-stop



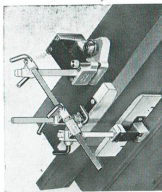
TRENCHING . . . . . Using Wobble Saw and protective device



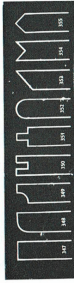
REBATING . . . . . Using Wobble Saw and protective device



SET UP FOR MOULDING . . . . . With recessed facing to fence



PROTECTIVE DEVICE for moulding and grooving operations

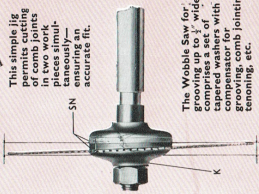


MOULDING CUTTERS . . . . . With Pattern Nos. All 1" wide

Highly recommended for all surface planing and moulding operations is the STARTRITE INCA 81" Planer with Thicknesser attachment. Separate literature and price details available on request.



This simple jig permits cutting of comb joints of any size—pieces simultaneously—accurate fit.



The Wobble Saw for grooving up to 1/2" wide joints. It is fitted with covered washers with compensator for wobble joints, tenoning, etc.

