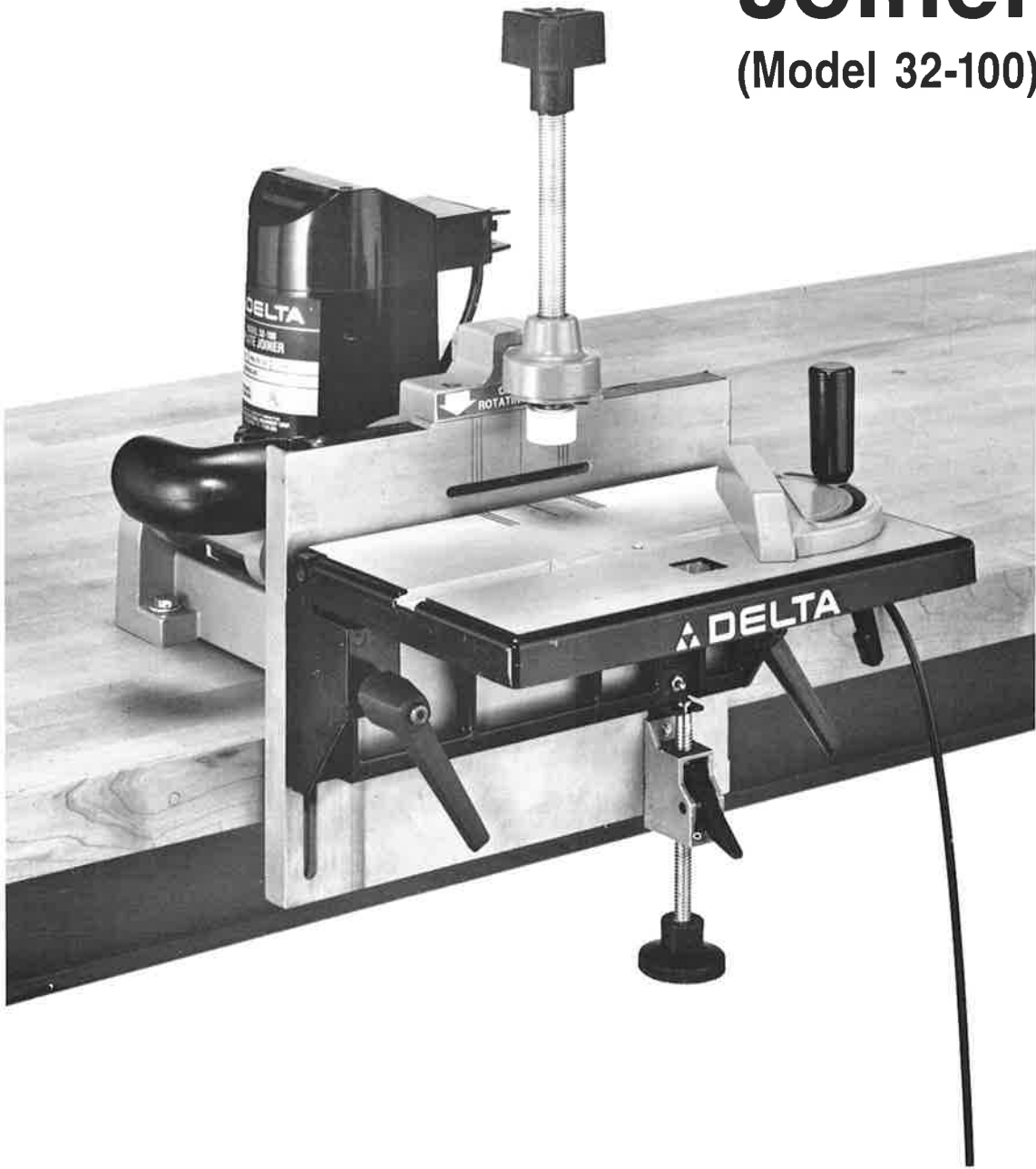


Plate Joiner

(Model 32-100)

INSTRUCTION MANUAL



DATED 7-1-92

PART NO. 1345323

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 **DELTA**

TABLE OF CONTENTS

SAFETY RULES	3
ADDITIONAL SAFETY RULES FOR PLATE JOINER	4
ASSEMBLY INSTRUCTIONS	
Assembling Table	4
Assembling Micro-Set Table Adjuster	6
Positioning Safety Guard On Foot Pedal	6
Assembling Cable Assembly	7
Assembling Adjustable Stock Stop To Table	7
Dual Position Work Clamp	8
Dust Chute	8
FASTENING MACHINE TO SUPPORTING SURFACE	8
CONNECTING PLATE JOINER TO POWER SOURCE	
Power Connections	9
Grounding Instructions	9
OPERATING CONTROLS AND ADJUSTMENTS	
Raising And Lowering Table	10
Tilting The Table	10
Adjusting Table 90 Degrees To Fence	11
Starting And Stopping Machine	11
Locking Switch In The "OFF" Position	11
Depth of Cut Control	12
Checking And Adjusting Depth Of Cut	12
Foot Pedal	12
Adjusting Foot Pedal Cable	12
Replacing Cutter	13
SOME TYPICAL OPERATIONS	13
Edge Joining	13
Bevel Edge Joining	14
Bevel End Joining	15
Butt Joining	16
Miter Joining	17
AUTHORIZED SERVICE STATIONS	18-19
PARTS, SERVICE OR WARRANTY ASSISTANCE	20
WARRANTY	20

SAFETY RULES

As with all machinery there are certain hazards involved with operation and use of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.

This machine was designed for certain applications only. Delta Machinery strongly recommends that this machine NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the machine until you have written Delta Machinery and we have advised you.

DELTA INTERNATIONAL MACHINERY CORP.
MANAGER OF TECHNICAL SERVICES
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WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY

1. **FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING THE TOOL.** Learn the tool's application and limitations as well as the specific hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **ALWAYS WEAR EYE PROTECTION.**
4. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter lug must be attached to a known ground. Never remove the third prong.
5. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it "on."
6. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
7. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well-lighted.
8. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
9. **MAKE WORKSHOP CHILDPROOF** - with padlocks, master switches, or by removing starter keys.
10. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
11. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
12. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Non-slip foot wear is recommended. Wear protective hair covering to contain long hair.
13. **ALWAYS USE SAFETY GLASSES.** Wear safety glasses (must comply with ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses; they are not safety glasses. Also use face or dust mask if cutting operation is dusty.
14. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
15. **DON'T OVERREACH.** Keep proper footing and balance at all times.
16. **MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
17. **DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters, etc.
18. **USE RECOMMENDED ACCESSORIES.** The use of improper accessories may cause hazards.
19. **AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in power cord.
20. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
21. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
22. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
23. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
24. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drug, alcohol or any medication.
25. **MAKE SURE TOOL IS DISCONNECTED FROM POWER SUPPLY** while motor is being mounted, connected or reconnected.
26. **WARNING:** The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well ventilated areas and provide for proper dust removal. Use wood dust collection systems whenever possible.

ADDITIONAL SAFETY RULES FOR PLATE JOINER

1. **WARNING:** Do not operate your machine until it is completely assembled and installed according to the instructions.
2. **IF YOU ARE NOT** thoroughly familiar with the operation of Plate Joiners, obtain advice from your supervisor, instructor or other qualified person.
3. **MAKE CERTAIN** that machine is securely attached to support table before operating.
4. **CHECK** to make sure that cutter blade is securely fastened.
5. **KEEP** fingers out of path of cutting blade.
6. **USE** the adjustable stock stop and dual position work clamp provided to properly secure and control workpiece whenever possible.
7. **ALWAYS** wear eye protection
8. **NEVER** reach behind or over cutting tool with either hand for any reason.
9. **PROVIDE** adequate support to the rear and sides of the work support table for wide or long workpieces.
10. **AVOID** operations and hand positions where a sudden slip could cause your hand to move into the cutting tool.
11. **NEVER** perform layout, assembly or set-up work on the table while the machine is operating.
12. **ALWAYS** turn the machine "OFF" and disconnect the cord from the power source before installing or removing the blade.
13. **NEVER** leave the machine work area when the power is "ON" or before the machine has come to a complete stop.

ASSEMBLY INSTRUCTIONS

ASSEMBLING TABLE

1. Place the motor and fence assembly (A) Fig. 2, on a flat supporting surface or workbench, as shown.
2. Position table (B) Fig. 2, so guide (C) will rest inside channel (D) of fence.

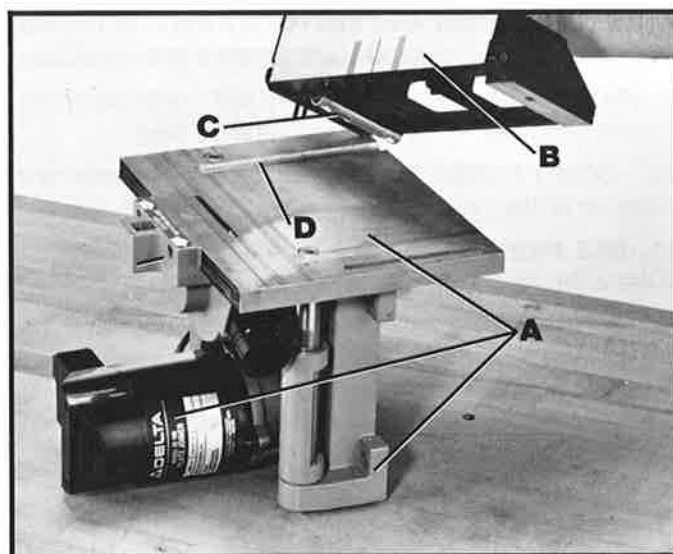


Fig. 2

3. Locate the two table locking handle assemblies, shown in Fig. 3.

4. Remove screw (A) Fig. 3, spring (B) and handle (C) from shaft assembly (D).

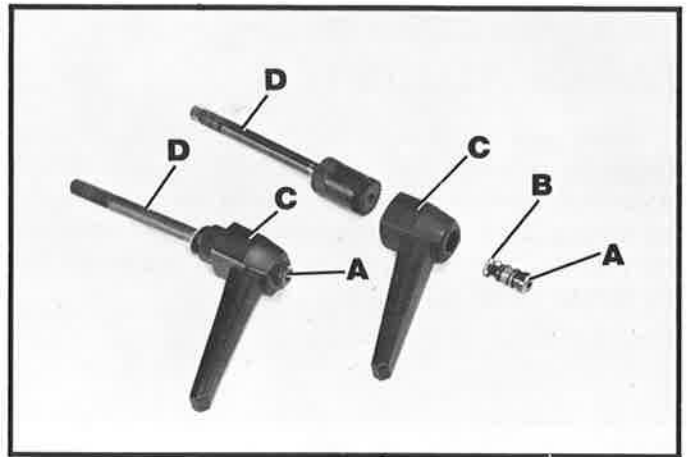


Fig. 3

5. Place flat washer (E) Fig. 4, on shaft assembly (D) and insert threaded portion of shaft assembly (D) through holes in table and fence, as shown.

6. Place square nut (F) Fig. 4, in position in channel in back of fence (G) and thread shaft assembly (D) into nut (F). **NOTE: ROUNDED SIDE OF NUT (F) SHOULD BE AGAINST FENCE AND FLAT SIDE OF NUT (F) SHOULD BE TOWARD THE OUTSIDE.**

7. Assemble the remaining shaft assembly in the same manner.

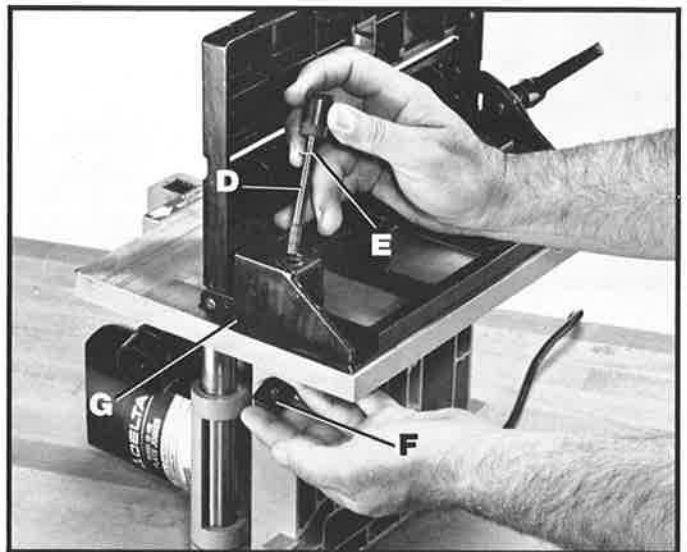


Fig. 4

8. Replace the locking handles (C) Fig. 5, spring and screw (A) to shaft assemblies. These items were removed in **STEP 4**. Tighten handles (C) to lock the table in position. **IMPORTANT: WHEN TIGHTENING TABLE LOCK HANDLES (C) ALWAYS TIGHTEN THE RIGHT HAND HANDLE FIRST TO INSURE TABLE IS LEVEL ON BOTH SIDES.** **NOTE:** Lock handles (C) are spring loaded and can be repositioned by pulling out on the handle and repositioning it on the serrated nut located underneath the hub of the handle.

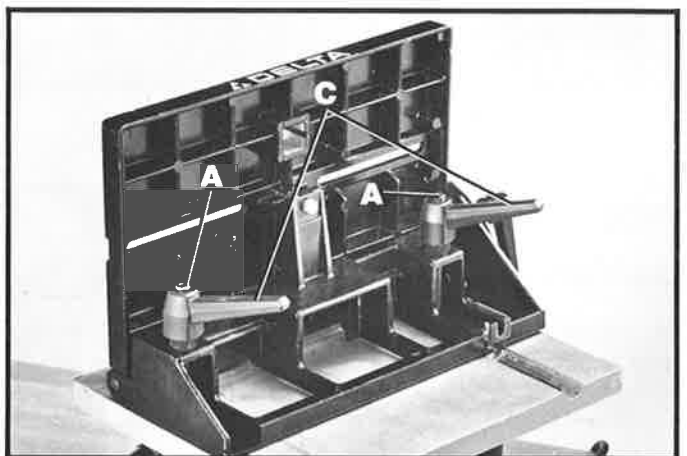


Fig. 5

ASSEMBLING MICRO-SET TABLE ADJUSTER

1. Make sure top of screw (A) Fig. 6, is engaged with bracket (B) and insert bracket assembly (C) in channel (D). Fasten bracket assembly (C) to fence (E) using screw (F) and washer (G). Do not tighten screw (F). Turn knob (H) until bracket (C) is down as far as possible in channel (D) and tighten screw (F).

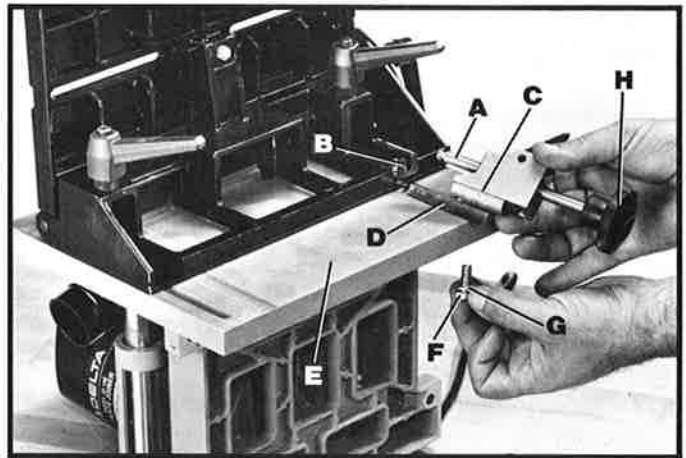


Fig. 6

2. Fig. 7, illustrates the micro-set table adjuster correctly assembled to the table and fence.

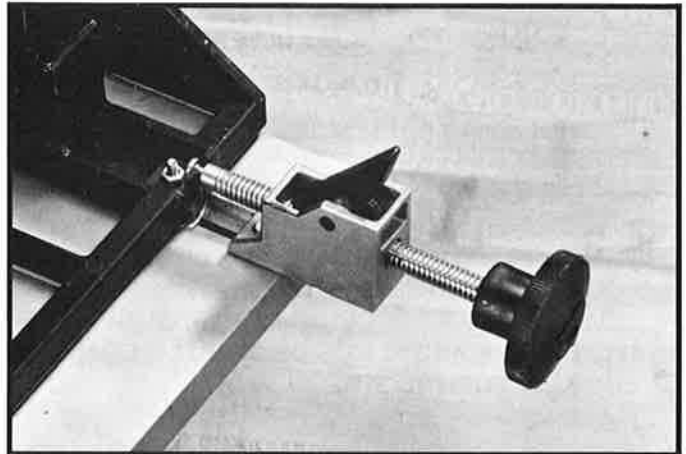


Fig. 7

3. Position machine so it rests over edge of the supporting surface, as shown in Fig. 8.

4. **IMPORTANT: TO AVOID PERSONAL INJURY OR DAMAGE TO THE MACHINE, WE STRONGLY SUGGEST THAT THE MACHINE BE FASTENED TO THE SUPPORTING SURFACE DURING THE REST OF THE ASSEMBLY PROCEDURE USING CLAMPS OR FASTENERS.**

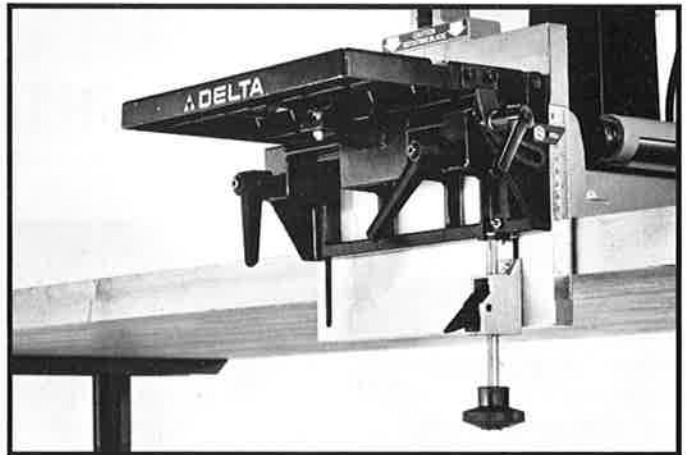


Fig. 8

POSITIONING SAFETY GUARD ON FOOT PEDAL

1. Lift up and rotate guard (A) Fig. 9, until hole in guard lines up with hole (B) in foot pedal assembly. Fasten guard (A) in place with lockwasher (C) and threaded lock knob (D).

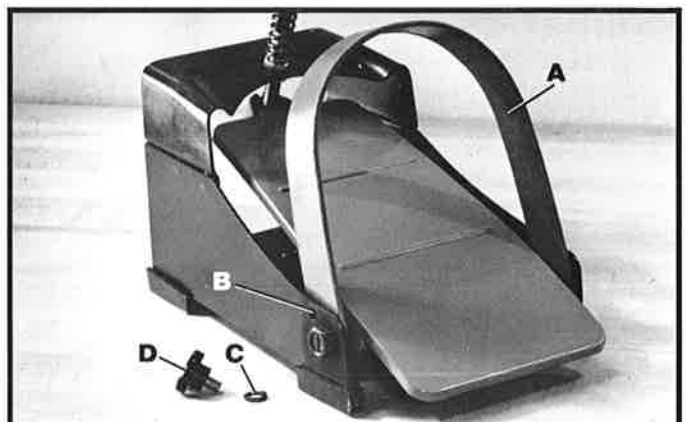


Fig. 9

ASSEMBLING CABLE ASSEMBLY

The cable assembly (A) Fig. 10, is shipped from the factory with one end of the cable assembled to the foot pedal. The free end, however, must be mounted to the rear of the machine, as follows:

1. Insert the cable assembly (A) Fig. 10, thru hole in casting and fasten using hex nut (B) supplied. **NOTE:** Hex nut (C) was threaded onto cable assemble at the factory.

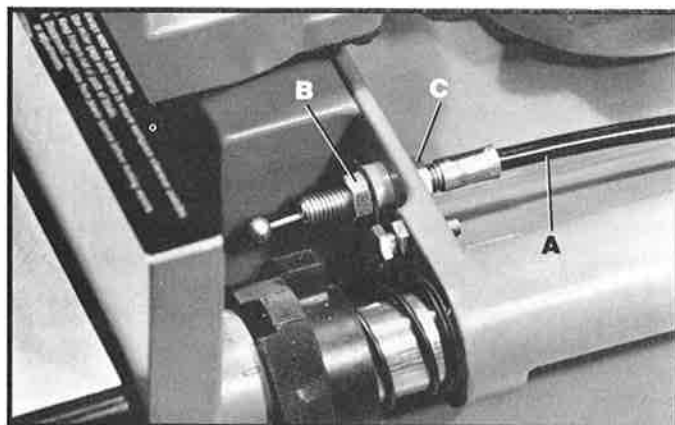


Fig. 10

2. Position cable shield (D) Fig. 11, over cable and insert end of cable (E) into slotted bracket (F). **NOTE:** If end of cable (E) does not reach slotted bracket (F) it will be necessary to tighten and/or loosen the two nuts (B) and (C).

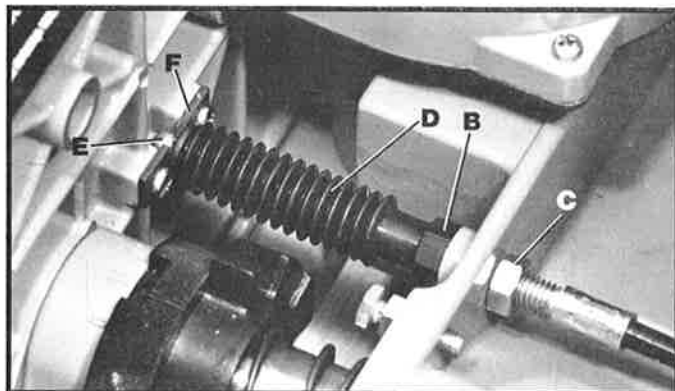


Fig. 11

ASSEMBLING ADJUSTABLE STOCK STOP TO TABLE

1. When using the adjustable stock stop, place bar (A) Fig. 12, in groove (B) of table. Fasten the bar to the table using lock knob (C) and washer (D). Thread lock knob (C) up through one of the slots in the table groove and into one of the two threaded holes (E) in bar.

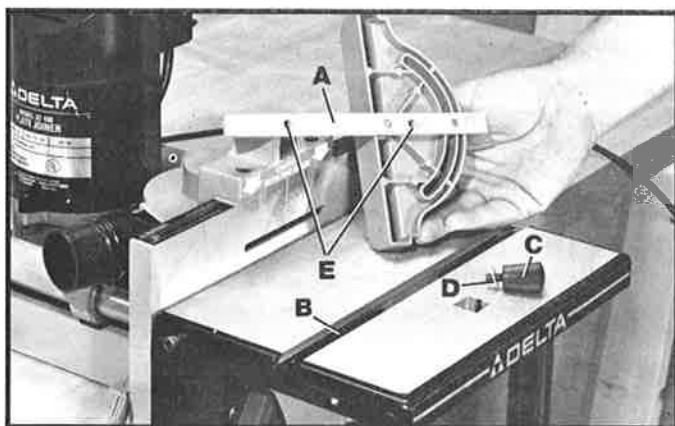


Fig. 12

2. The adjustable stock stop can be used in the right hand position, as shown in Fig. 13, or in the left hand position, as shown in Fig. 14.

3. To rotate the stock stop body (E) Fig. 13 and 14, for angles, simply loosen lock handle (F), rotate body (E) to the angle of the workpiece. Then tighten handle (F).

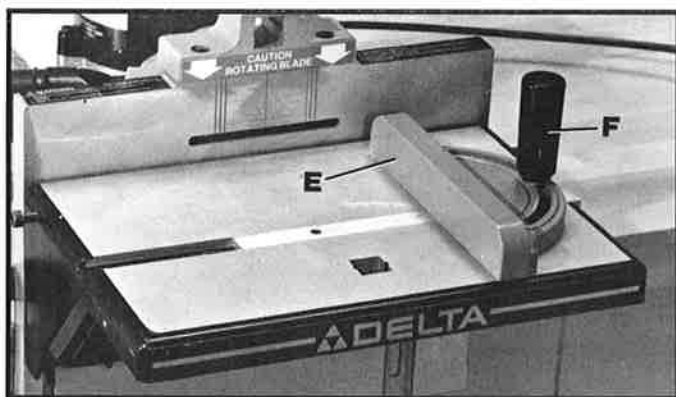


Fig. 13

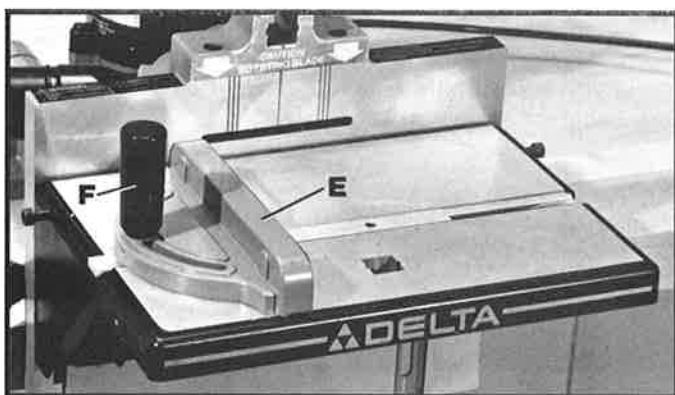


Fig. 14

DUAL POSITION WORK CLAMP

The dual position work clamp can be used in the vertical position, as shown in Fig. 15, or in the horizontal position, as shown in Fig. 16.

To instantly position the clamp (A) Fig. 15 and Fig. 16, against the workpiece, simply turn the handle (B) counter-clockwise one-half turn and rapidly slide the threaded shaft (C) until the clamp (A) is against the work. Then tighten the clamp (A) by turning the handle (B) clockwise.

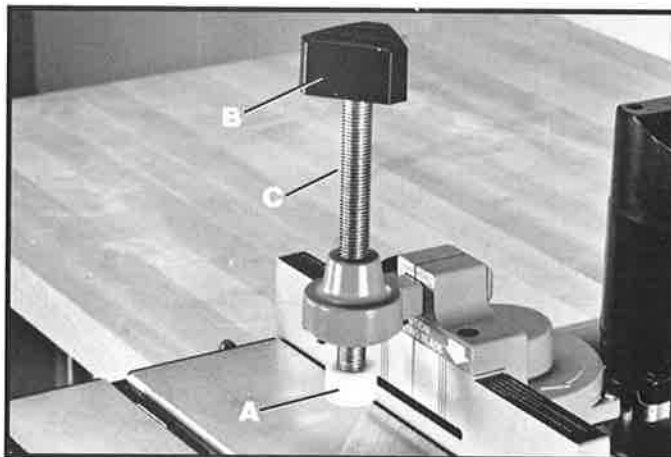


Fig. 15

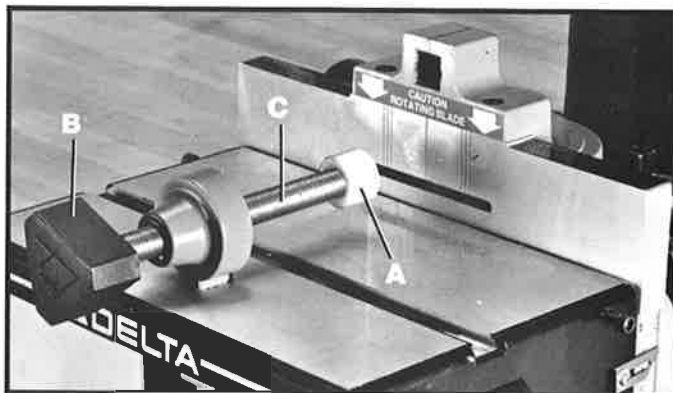


Fig. 16

DUST CHUTE

A dust chute (A) is supplied for use with your plate joiner and is to be assembled to the chip exhaust (B) on the left rear side of the machine, as shown in Fig. 17. The plate joiner can be connected directly to the Delta accessory 49-255 28-gallon, all purpose vacuum cleaner by removing the dust chute (A) Fig. 17, and using the accessory 49-220 (2 1/2" x 1 1/2") adapter and the accessory 49-228 (2 1/2" x 2 1/2") coupling. The hose from the 49-255 vacuum cleaner can then be connected to the coupling.

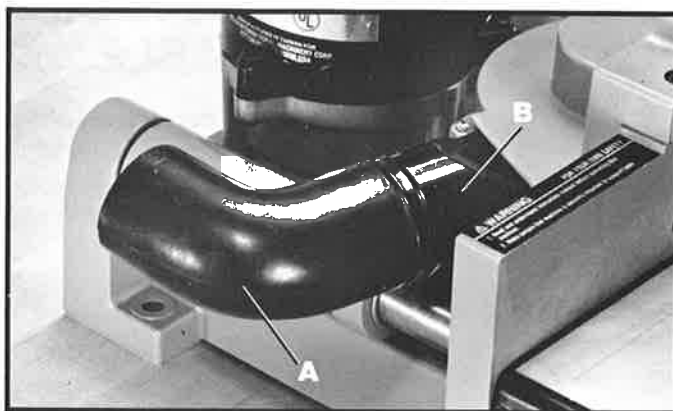


Fig. 17

FASTENING MACHINE TO SUPPORTING SURFACE

The plate joiner must always be fastened to a supporting surface using clamps or by using bolts through the four mounting holes in the machine base. Two of the mounting bolts are shown at (A) Fig. 18.

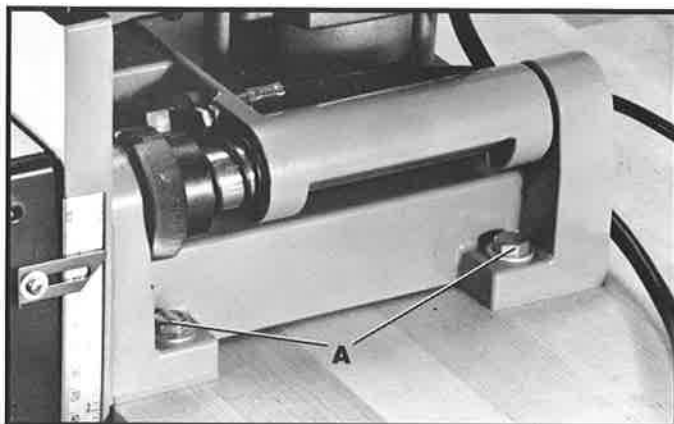


Fig. 18

CONNECTING PLATE JOINER TO POWER SOURCE

POWER CONNECTIONS

A separate electrical circuit should be used for your tools. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and 3-pole receptacles which accept the tools plug. For distances up to 100 feet use #12 wire. For distances up to 150 feet use #10 wire. Have a certified electrician replace or repair damaged or worn cord immediately. Before connecting the motor to the power line, make sure the switch is in the "OFF" position and be sure that the electric current is of the same characteristics as stamped on motor nameplate. All line connections should make good contact. Running on low voltage will damage the motor.

GROUNDING INSTRUCTIONS

CAUTION: THIS TOOL MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-hole receptacles that accept the tool's plug, as shown in Fig. 19.

Repair or replace damaged or worn cord immediately.

This tool is intended for use on a circuit that has an outlet and a plug that looks like the one shown in Fig. 19. A temporary adapter, which looks like the adapter illustrated in Fig. 20, may be used to connect this plug to a 2-pole receptacle, as shown in Fig. 20, if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. **THIS ADAPTER IS NOT APPLICABLE IN CANADA.** The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground, such as properly grounded outlet box, as shown in Fig. 20.

CAUTION: IN ALL CASES, MAKE CERTAIN THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE HAVE A CERTIFIED ELECTRICIAN CHECK THE RECEPTACLE.

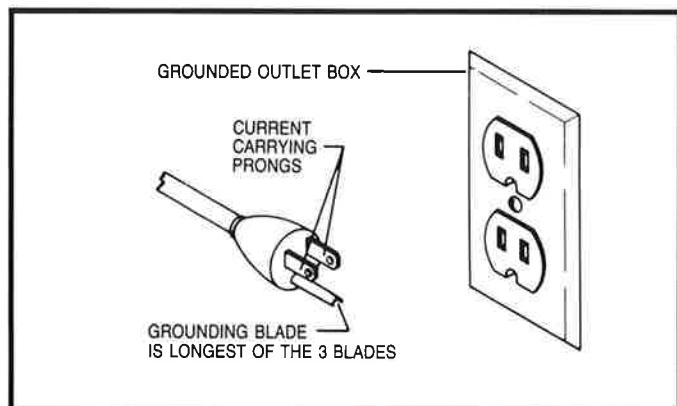


Fig. 19

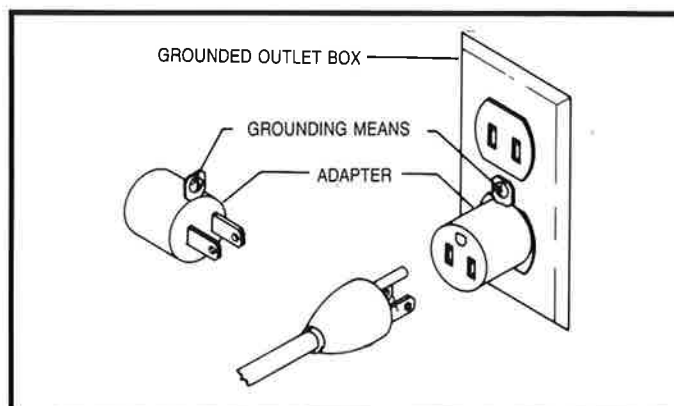


Fig. 20

OPERATING CONTROLS AND ADJUSTMENTS

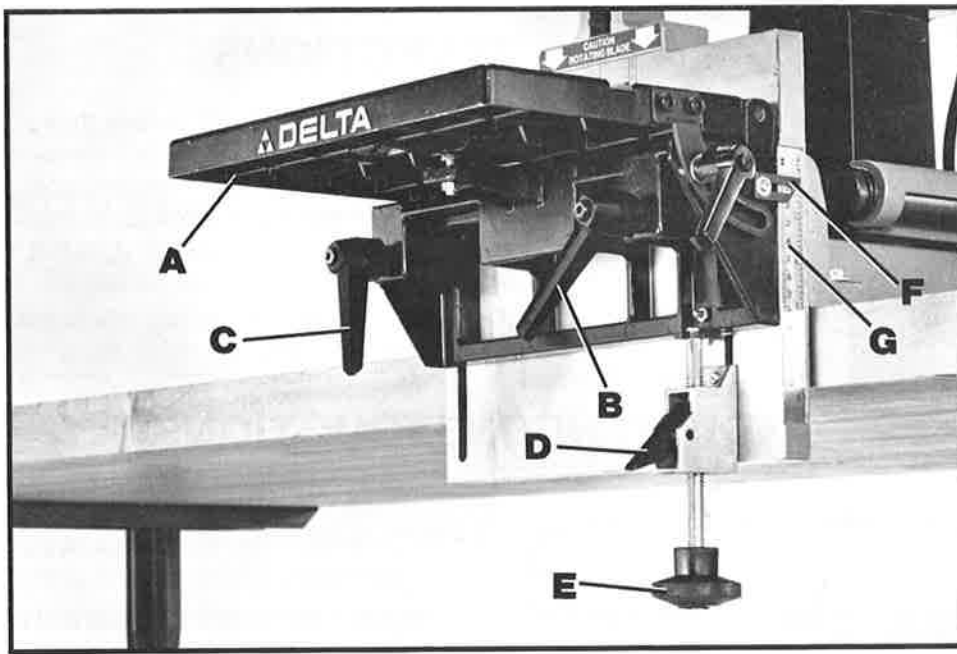


Fig. 21

RAISING AND LOWERING TABLE

1. To raise the table (A) Fig. 21, loosen the two table lock levers (B) and (C), manually raise table (A) to the desired height and tighten lock levers (B) and (C). **IMPORTANT: WHEN TIGHTENING LOCK LEVERS (B) AND (C), ALWAYS TIGHTEN LEVER (B) FIRST TO ENSURE TABLE WILL BE LEVEL ON BOTH SIDES.**
2. To lower the table (A) Fig. 21, loosen table lock levers (B) and (C) and while holding table (A) depress spring clip (D) and lower table to the desired setting. Then tighten lock levers (B) and (C). **IMPORTANT: WHEN TIGHTENING LOCK LEVERS (B) AND (C), ALWAYS TIGHTEN LEVER (B) FIRST TO ENSURE TABLE WILL BE LEVEL ON BOTH SIDES.**
3. For fine adjustments to the table setting, loosen table lock levers (B) and (C) Fig. 21, and turn Micro-Set adjustment knob (E) clockwise to raise or counterclockwise to lower the table. Tighten lock levers (B) and (C). **IMPORTANT: WHEN TIGHTENING LOCK LEVERS (B) AND (C), ALWAYS TIGHTEN LEVER (B) FIRST TO ENSURE TABLE WILL BE LEVEL ON BOTH SIDES.**
4. The distance the table surface is positioned below the bottom of the cutter is determined by the pointer (F) Fig. 21, on the dual english/metric scale (G). If an adjustment to the pointer (F) is necessary, loosen screw and adjust pointer accordingly.

TILTING THE TABLE

The table on your machine can be tilted to accommodate workpieces with beveled edges by loosening handle (A) Fig. 22, tilting the table (B) to the desired angle and tightening handle (A). **NOTE:** Handle (A) is spring loaded and can be repositioned by pulling out on the handle and repositioning it on the nut located underneath the hub of the handle.

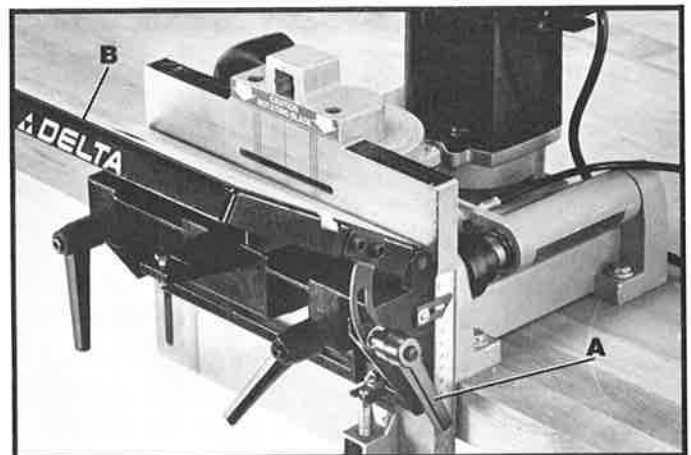


Fig. 22

ADJUSTING TABLE 90 DEGREES TO FENCE

1. Loosen table lock handle (A) Fig. 23, make sure the table is all the way down and tighten lock handle (A).
2. Using a square (B) Fig. 23, check to see if the table is 90 degrees to the fence, as shown.

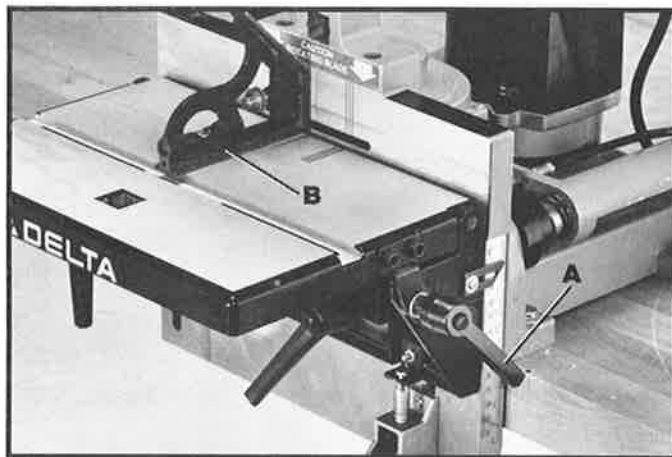


Fig. 23

3. If the table is not at 90 degrees to the fence, adjust the table accordingly making certain screw (C) Fig. 24, contacts bottom of table when the table is at 90 degrees to the fence. Screw (C) can be adjusted by loosening nut (D), turning screw (C) in or out the desired amount and tightening nut (D). This positive stop enables you to rapidly return the table to the 90 degree position after it has been tilted.

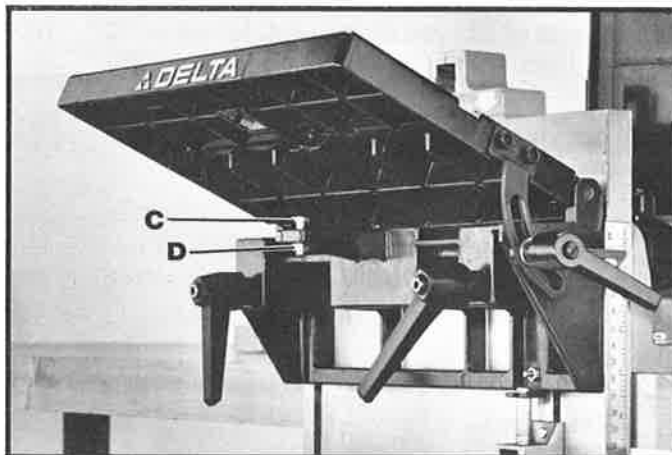


Fig. 24

STARTING AND STOPPING MACHINE

The on/off switch (A) Fig. 25, is located on the side of the motor. To turn the plate joiner "ON," move the toggle switch (A) toward the front. To turn the machine off, push the switch (A) toward the rear.

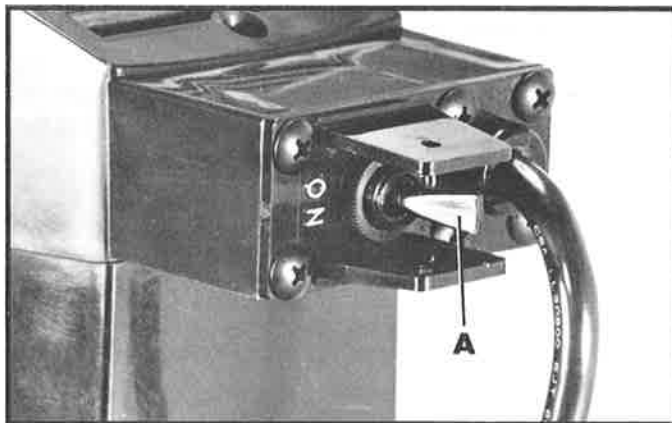


Fig. 25

LOCKING SWITCH IN THE "OFF" POSITION

We suggest when the machine is not in use, the switch (A) be locked in the "OFF" position with a padlock, as shown in Fig. 26.

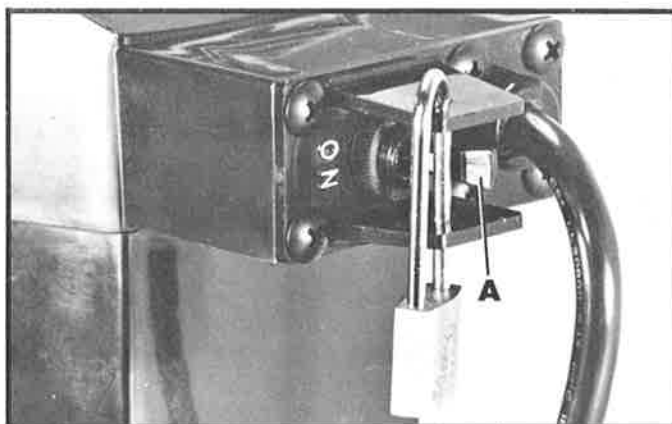


Fig. 26

DEPTH OF CUT CONTROL

The Delta Plate Joiner has the capability of cutting slots in wood to accommodate three biscuit sizes, 0, 10 and 20, as shown in Fig. 27.

The lines (A), (B) and (C) Fig. 27, on the fence and table, indicate the width of cut for each biscuit size:

- (A) - For size "0" biscuit
- (B) - For size "10" biscuit
- (C) - For size "20" biscuit

Line (D) Fig. 27, indicates the center line of the cut to be made for size "0", "10" and "20" biscuits.

To adjust the depth of cut for different size biscuits rotate dial (E) Fig. 28, until the pointer (F) is pointing to the desired size of slot you wish to cut, for either "0", "10" or "20" biscuit.

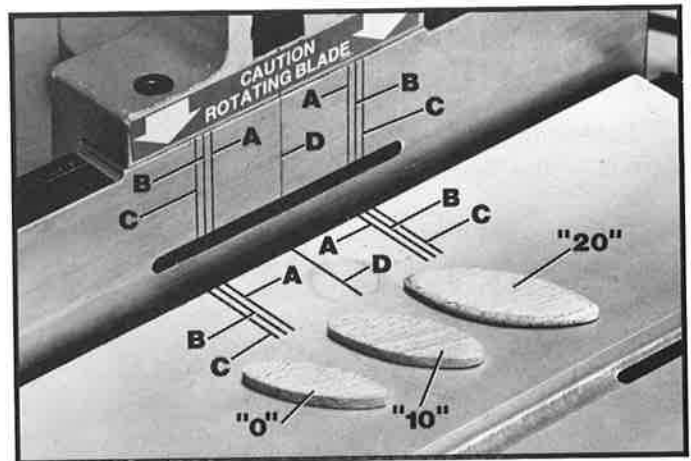


Fig. 27

CHECKING AND ADJUSTING DEPTH OF CUT

1. Rotate dial (E) Fig. 28, until the pointer (F) is pointing to the desired size of slot you wish to cut. **NOTE:** In this case we will be making a test cut for a size "0" biscuit.

2. Make a test cut in a scrap piece of wood.

3. Insert a size "0" biscuit in the cut just made. The biscuit should enter the wood slightly more than halfway before it bottoms in the cut.

4. If the slot is too deep or not deep enough adjust the depth of cut by loosening nut (G) Fig. 28, and tightening or loosening screw (H). Continue to make test cuts until the depth of cut is as stated in **STEP 3**. Then tighten nut (G).



Fig. 28

FOOT PEDAL

The Foot Pedal (A) Fig. 29, controls the lateral movement of the biscuit cutter. Pressing down on the pedal (A) moves the cutter out to make the cut and releasing pedal (A) retracts the cutter.

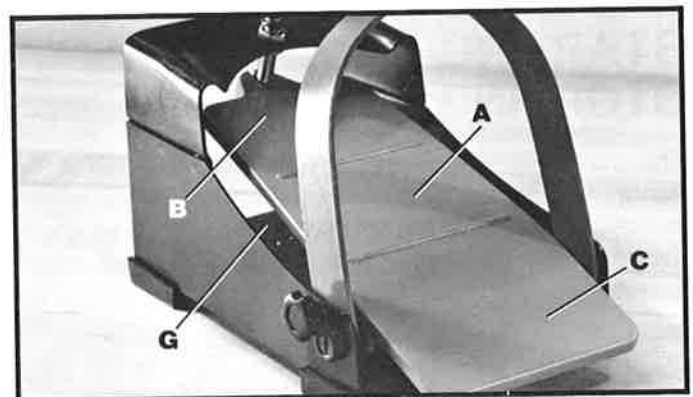


Fig. 29

ADJUSTING FOOT PEDAL CABLE

When the foot pedal (A) Fig. 29, is depressed the bracket (D) Fig. 30, moves forward until the adjusting screw (E) contacts stop (F). When the machine is in this position (cutter exposed on the front of the fence) the boss located directly underneath the top of the foot pedal (B) Fig. 29, should be between 1/4 and 1/2 inch away from bottoming on bottom plate (G) Fig. 29. If it is not, an adjustment to the cable can be made by sliding back sleeve (H) Fig. 30, and adjusting the cable by tightening and loosening the two adjusting nuts (J) and (K) Fig. 30.

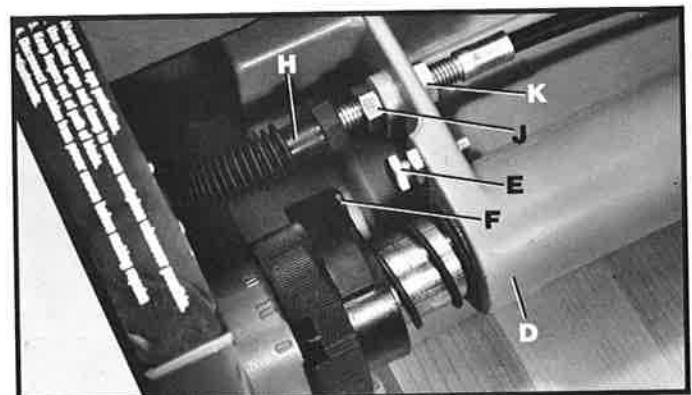


Fig. 30

REPLACING CUTTER

When it becomes necessary to replace the cutter on your plate joiner, proceed as follows:

1. **MAKE CERTAIN THE MACHINE IS DISCONNECTED FROM THE POWER SOURCE.**

2. Remove five screws (A) Fig. 31, and top cutter guard (B).

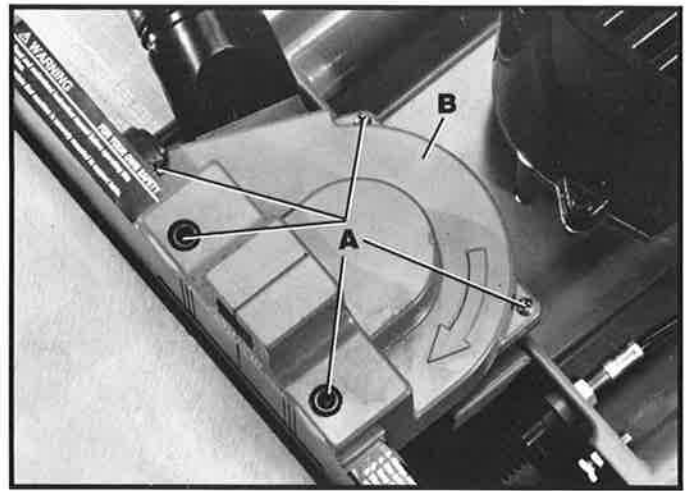


Fig. 31

3. Place open end wrench on flats (C) Fig. 32, of cutter arbor, to keep the arbor from turning, and remove arbor nut (D), flange (E) and cutter (F). **NOTE:** Turn arbor nut (D) clockwise to remove.

4. Assemble new cutter making certain the teeth of the cutter point to the right when looking straight down on the cutter and replace flange (E) and arbor nut (D) Fig. 32. **NOTE:** Turn arbor nut counterclockwise to tighten while holding flats (C) of arbor with wrench to keep arbor from turning.

5. Replace cutter guard which was removed in **STEP 2.**

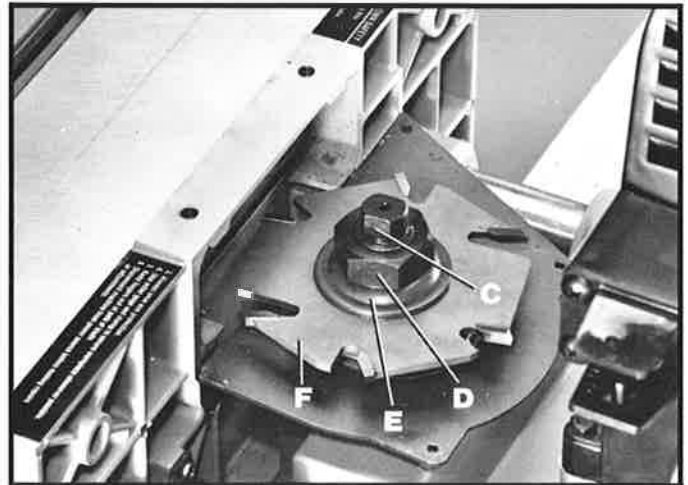


Fig. 32

SOME TYPICAL OPERATIONS

The following are just a few examples of some of the many operations that can be performed with your Delta Plate Joiner. All operators will profit by a knowledge of how these operations can be performed and we suggest you study these examples before turning on the power.

EDGE JOINING

1. Mark the two boards to be edge joined together at the points where the biscuits are to be placed, as shown at (A) Fig. 33. These marks indicate the center of the biscuit cut and should be on the opposite surface of the boards you want perfectly matched. If boards are of different thickness, be sure the "good" or face side of the boards are "down."

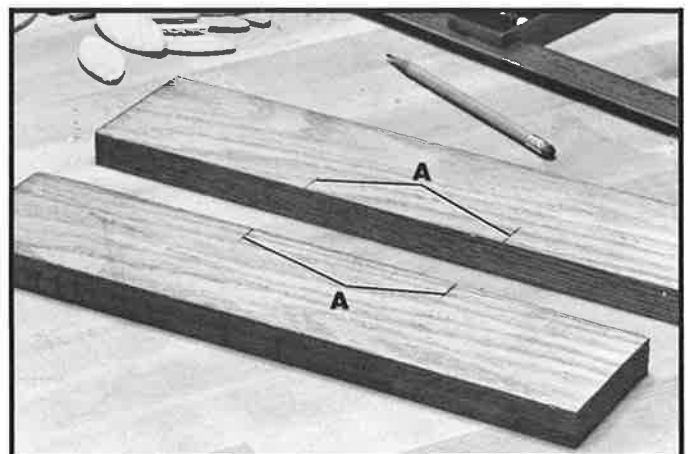


Fig. 33

2. Adjust the height of the table and line up one of the points marked in **STEP 1**, with the center line of the cutter, as shown in Fig. 34, and cut the first biscuit slot. Note the dual position work clamp (B) being used to firmly hold the workpiece on the table. Cut biscuit slots at the remaining three positions that were marked in **STEP 1**.

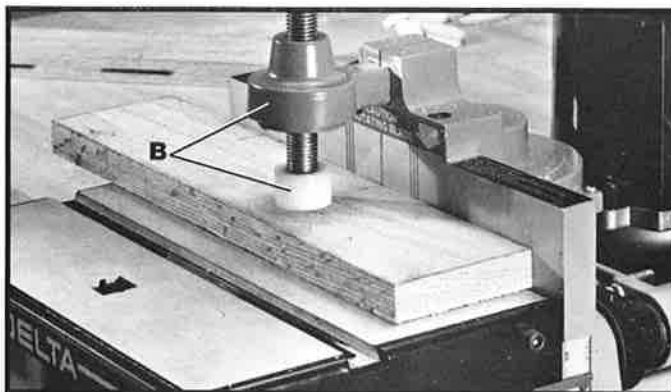


Fig. 34

3. Apply glue to inside of biscuit slots and insert biscuits (C) into two of the slots, as shown in Fig. 35. Then press the two pieces of wood together.

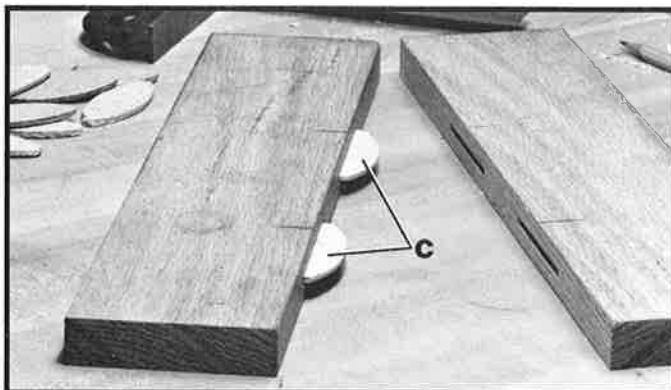


Fig. 35

BEVEL EDGE JOINING

1. Mark the two boards to be bevel edge joined together at the points where the biscuits are to be placed, as shown at (A) Fig. 36. These marks indicate the center of the biscuit cut and should be on the opposite surface of the boards you want perfectly matched.

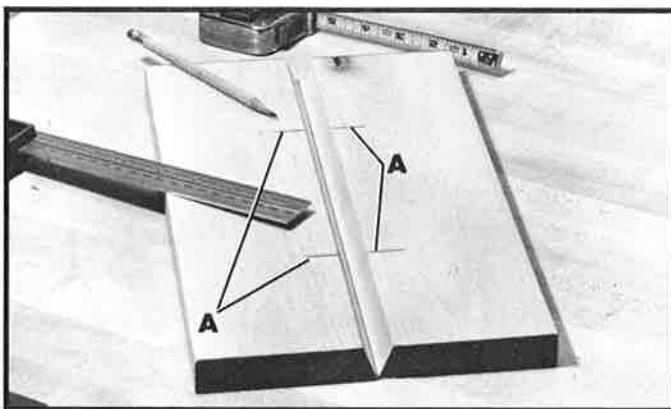


Fig. 36

2. Adjust the angle of the tilting table (B) to match the angle of the workpiece, as shown in Fig. 37. Adjust the height of the table to position biscuit slot at proper location in beveled surface. Line up one of the points marked in **STEP 1**, with the center line of the cutter, and cut the first biscuit slot, as shown. Cut biscuit slots at the remaining three positions that were marked in **STEP 1**.

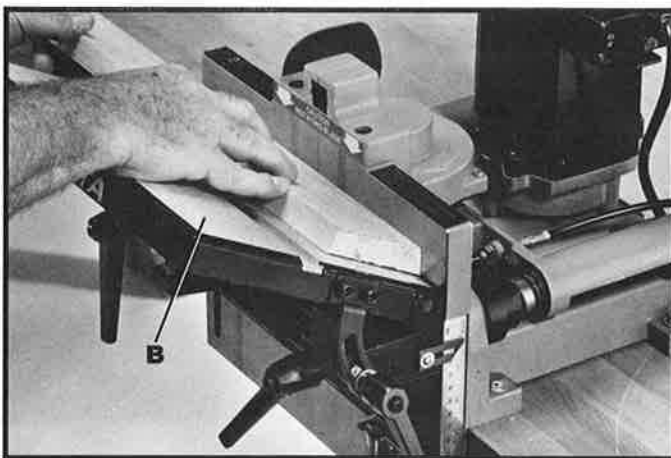


Fig. 37

3. Apply glue to the inside of biscuit slots and insert biscuits (C) into two of the slots as shown in Fig. 38.

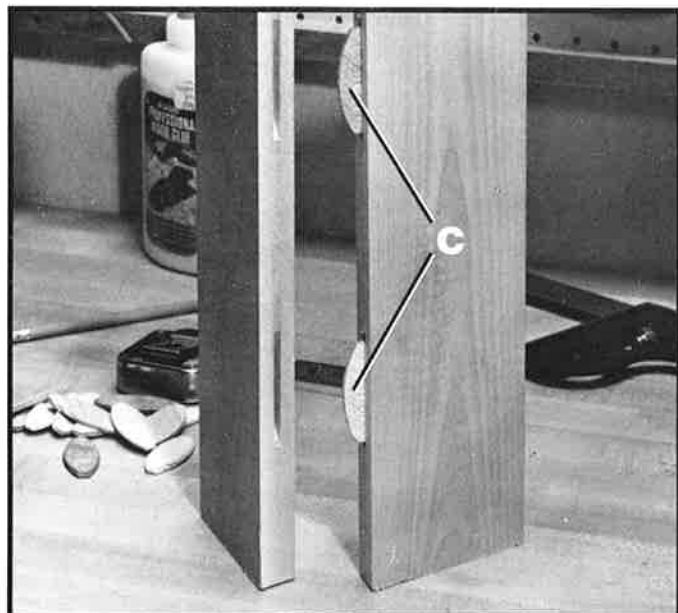


Fig. 38

4. Press the two pieces of wood together as shown in Fig. 39.



Fig. 39

BEVEL END JOINING

1. Mark the two boards to be bevel end joined together at the points where the biscuit is to be placed, as shown at (A) Fig. 40. These marks indicate the center of the biscuit cut and should be on the opposite surface of the boards you want perfectly matched.

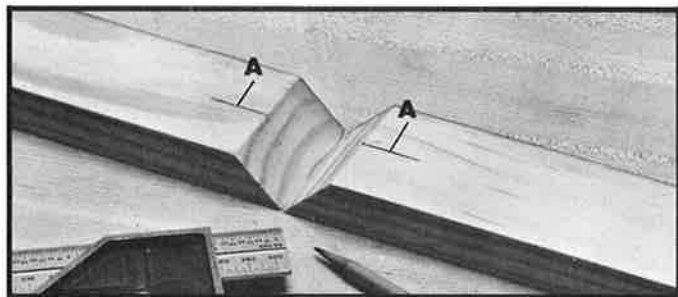


Fig. 40

2. Adjust the angle of the tilting table to match the angle of the workpiece, as shown in Fig. 41. Line up one of the points marked in **STEP 1** with the center line of the cutter and cut the first biscuit slot. **NOTE:** A back-up stop block (B) is clamped to the tilting table to support the workpiece. Cut the biscuit slot at the remaining position marked in **STEP 1**.

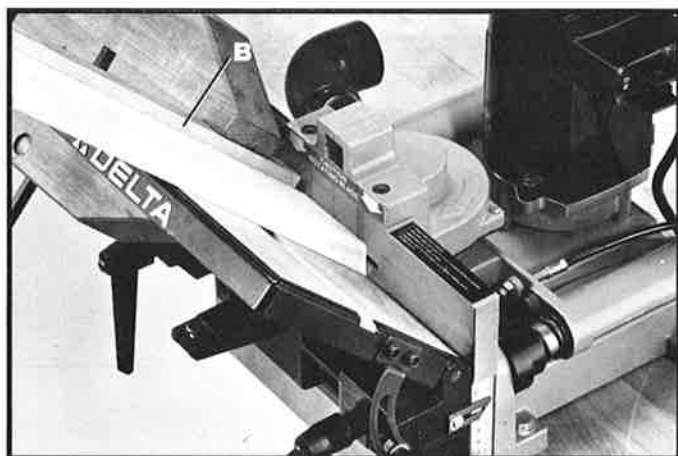


Fig. 41

3. Apply glue to the inside of biscuit slots, insert biscuit and press the two pieces of wood together, as shown in Fig. 42.

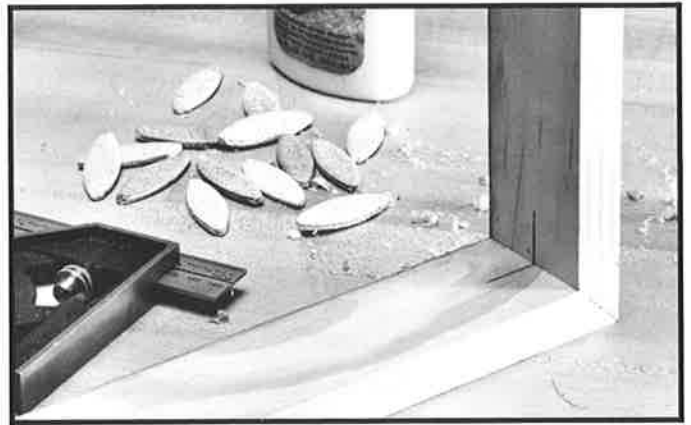


Fig. 42

BUTT JOINING

1. Mark the two boards to be butt joined together at the points where the biscuit is to be placed, as shown at (A) and (B) Fig. 43. These marks indicate the center of the biscuit cut. Make sure the marks (A) and (B) are on the inside surface of the boards as shown. **NOTE:** On the vertical piece the line (B) must extend higher, as shown.

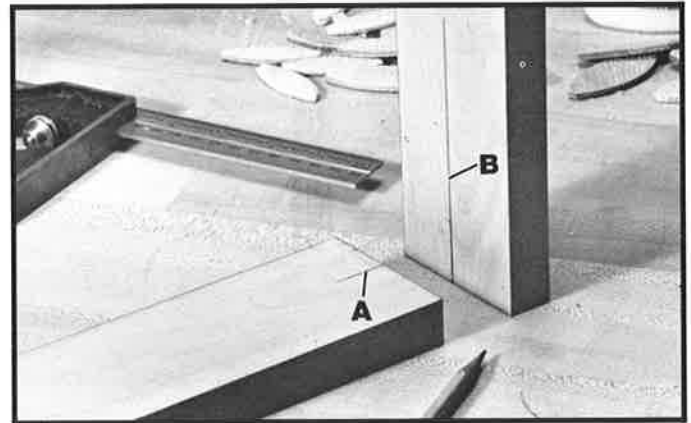


Fig. 43

2. Line up the point marked at (A) in **STEP 1** of the horizontal piece with the center line of the cutter and cut the first biscuit slot, as shown in Fig. 44. Note the dual position work clamp (C) and the adjustable stock stop (D) being used to hold and position the workpiece.

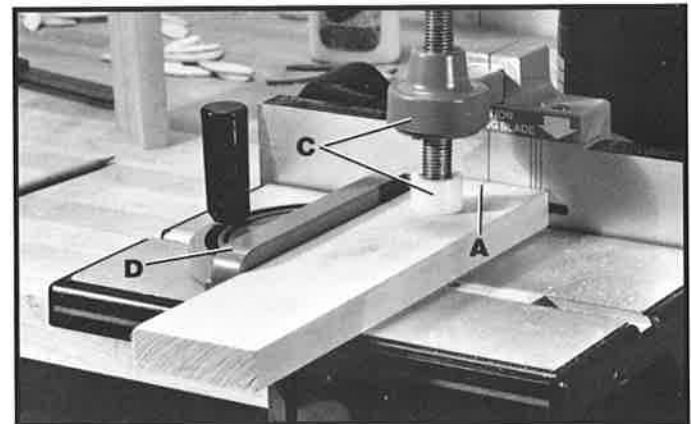


Fig. 44

3. Line up the point marked at (B) in **STEP 1** on the vertical piece with the center line (E) of the cutter and cut the second biscuit slot. This line is located on top of the cutter guard, as shown in Fig. 45. Note the dual position work clamp (C) being used to hold the workpiece.

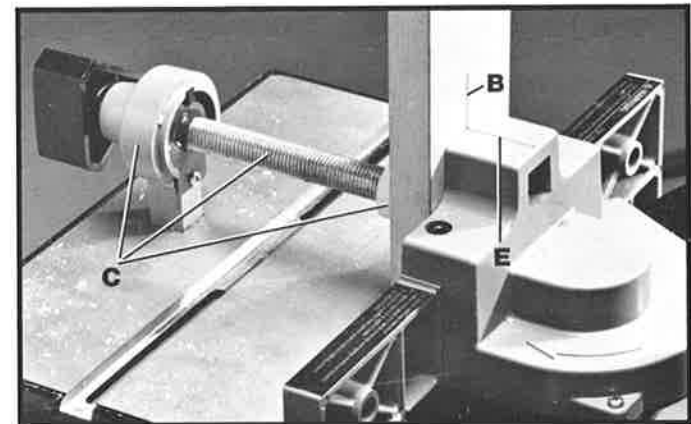


Fig. 45

4. Apply glue to the inside of biscuit slots, insert biscuit (F), as shown in Fig. 46, and press the two pieces of wood together.

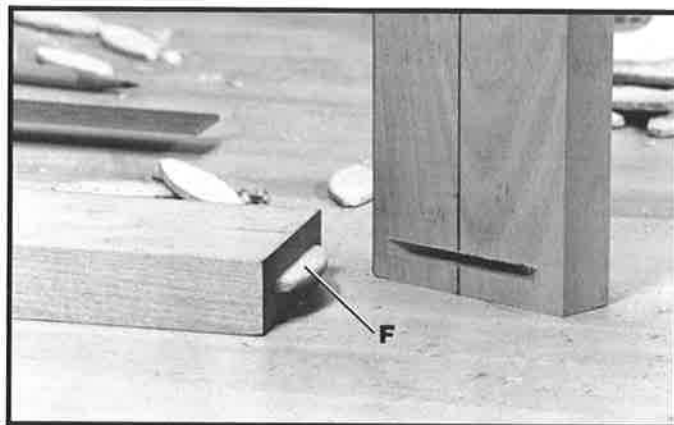


Fig. 46

MITER JOINING

1. Adjust the angle of the stock stop (A) Fig. 47, to conform with the miter angle of the workpiece, center the workpiece over the cutter slot, clamp the stock stop to the table and cut the biscuit slot in the first piece, as shown in Fig. 47. Note that "good" or face side of the board is against the table.

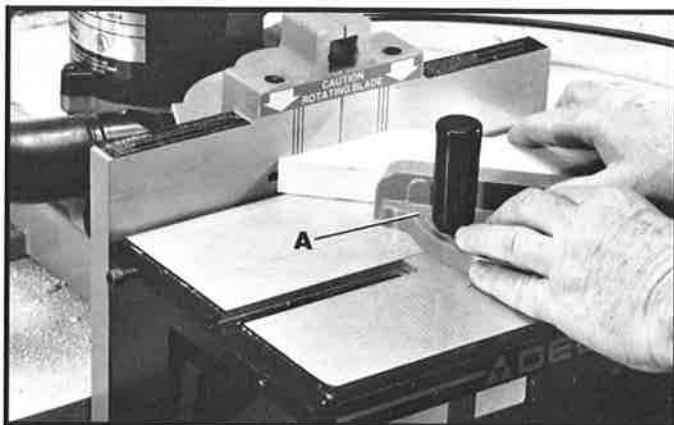


Fig. 47

2. Cut the biscuit slot in the second piece, as shown in Fig. 48, in the same manner as in **STEP 1** with the "good" or face side of the board against the table.

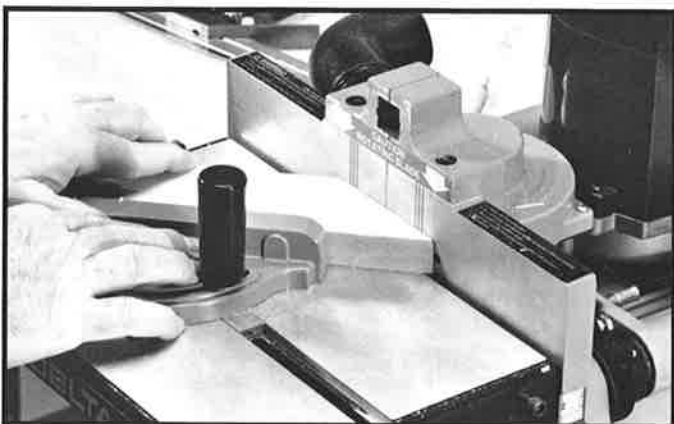


Fig. 48

3. Apply glue to the inside of biscuit slots, insert biscuit and press the two pieces of wood together, as shown in Fig. 49.

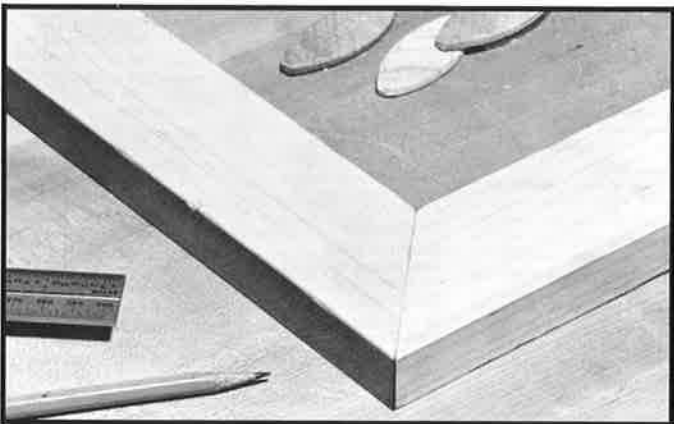


Fig. 49

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Pelham Tool Co.
21 Abendrough Avenue
914-937-1771
- Rensselaer 12144
R. B. Wing
83 Second Avenue
518-463-4161
- Rochester 14608
Jackson Saw & Knife Co.
517 State Street
716-546-7485
- Rochester 14609
O. G. Schwarz
430 Allamantic Avenue
716-482-9282
- Southampton 11968
Richards Tool and Motor Repair
County Road 39 & N. Main Street
516-283-5130
- Syracuse 13220
Mid-State Contractors
1811 LeMoine Avenue, Box 2189
315-455-5903
- Syracuse 13210
Syracuse Industrial Sales
713 E. Fayette Street
315-478-5751
- Uniondale 11553
*Enterprise Machinery Co., Inc.
293 Nassau Road
516-485-2804
- Utica 13502
McQuade and Bannigan
1300 Stark Street
315-724-7119
- Vestal 13850
Cascade Electric Inc.
416 Commerce Rd.
607-729-5278
- Watertown 13601
McQuade & Bannigan
124 Murdock Circle
315-789-2612
- NORTH CAROLINA**
Burlington 27215
Paynes Power Tool
2550 S. Mebane Street
919-227-1031
- Charlotte 28209
Porter-Cable Corporation
4303B South Boulevard
704-525-4410
- Foscoe 28604
Action Power Tools
Hwy. 105
704-963-7271
- Greensboro 27405
Tool & Equipment Supply, Inc.
807 Huffman Street
919-275-6124
- Raleigh 27604
Specially Tool Service of Raleigh, Inc.
2420 Atlantic Ave.
919-833-5903
- Wilmington 28401
Coastal Power Tool and Equipment
Repair
1913 Carolina Beach Road
919-762-0777
- Wilmington 28405
M. F. McLean Enterprises
Rt. 6, Box 97
Old Wrightsville Road
919-343-1775
- Winston Salem 27106
Piedmont Power Mach. Srv. Inc.
4305J Enterprise Drive
919-759-2022
- NORTH DAKOTA**
Bismark 58501
Acme Electric Motor, Inc.
1009 Basin Avenue
701-258-1267
- Fargo 58103
Acme Electric Motor, Inc.
3401 Interstate Blvd.
701-235-8060
- Grand Forks 58201
Acme Electric Motor, Inc.
1705 13th Avenue North
701-746-6481
- Minot 58701
Acme Electric Motor, Inc.
525 20th Avenue S.E.
701-839-2263
- OHIO**
Barberton 44203
Viking Akron Tool & Supply Co.
2915 New Park Drive
1-800-362-0585
216-753-1063
- Cincinnati 45210
Cincinnati Electric Repair
2023 Elm St.
513-621-2183
- Cincinnati 45245
Pro Tool Service
747 Ohio Pike
513-753-4349
- Cincinnati 45215
Pro Tool Service Inc.
1125 Glendale-Milford Road
513-772-1490
- Columbus 43212
*Columbus Hardware
944 W. 5th Avenue
614-294-8665
- Columbus 43214
Porter-Cable Corporation
4560 Indianola Avenue
614-263-0929
- Alpha (Dayton) 45301
Authorized Tool Service Co.
676 Orchard Lane
P.O. Box 5
513-429-5593
- Hartsville 44632
Hartville True Value
940 W. Maple Street
216-877-3631
- North Canton 44720
N. Canton Repair Shop
1555 No. Main
216-499-3529
- Toledo 43606
Power Tool Sales & Service
2934 Douglas Road
419-473-0962
- Toledo 43613
Electric Tool & Equipment
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Porter-Cable Corporation
Sweet Valley Business Park
Unit #18
216-447-9030
- West Milton 45383
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513-698-3363
- Youngstown 44512
Moff Master Power Tools
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216-783-2130
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Oklahoma City 73126
Whitton Supply Co.
1419 W. Reno
405-236-5561
- Tulsa 74101
Wesche Company
P.O. Box 217
2005 East 7th Place
918-583-7551
- OREGON**
Eugene 97402
Jim's Tool Service
515 Wilson Street
515-344-1513
- Klamath Falls 97601
Quality Tool Repair
836 Richmond Street
503-883-5870
- Medford 97501
Precision Power Tool
Repair Inc.
2919 N. Pacific Highway
503-770-5541
- Portland 97202
Professional Power Tool Repair, Inc.
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503-234-3734
- Portland 97212
Continental Machine &
Tool Inc.
51 N.E. Hancock
503-288-8888
- Redmond 97756
Dave's Tool Repair
2392-S. Highway 97
503-548-0510
- PENNSYLVANIA**
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Curio Electric Repair
825 South 5th
215-432-9923
- Bellefonte 16823
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- Harrisburg 17109
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& Service
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Rear 3805 Ridgeway Rd.
717-545-8043
- Kingston 18704
Total Services & Systems, Inc.
166 W. Union Street
717-287-2121
- Monroeville 15146
Professional Tool Service
700 Seco Road
Monroeville Industrial Park
412-373-7440
- Philadelphia 19107-2375
Ideal Tool & Equipment Service
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215-925-0672
- Philadelphia 19154
Porter Cable Corporation
12285 McNully Road
215-677-7800
Fax No.: 215-677-9908
- Slatingsport 18080
Doward's Electric
4711 Main Street
215-767-8148
- York 17402
Diamond Air & Electric
2449 S. Queen St.
717-741-9592
- SOUTH CAROLINA**
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803-252-7777
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Poe Corporation
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803-884-2552
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Coastal Elec. & Rewinding
718 8th Avenue N.
803-448-3566
- Spartanburg 29302
Cash Supply
113 Country Club Rd.
803-585-9326
- SOUTH DAKOTA**
Rapid City 57702
Stan Houston Equipment Co.
1210 Deadwood Avenue
605-348-1155
- Sioux Falls 57202
Stan Houston Equip. Co.
501 S. Marrion Road
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Chattanooga 37412
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615-242-8026
- Nashville 37210
Power Tool Service of
Nashville, Inc.
1106 Elm Hill Pike
Suite #130
615-255-8227
- TEXAS**
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Ablene Lumber Co., Inc.
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Amarillo 79109
Builder's Tool Service
2705 Virginia Circle
806-352-1772
- Austin 78722
Hamilton Electric Works Inc.
3800 Airport Blvd.
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- Austin 78758-5498
The Tool Box
9906A Gray Boulevard
512-836-5483
- Corpus Christi 78405
Corpus Christi Power Tool
& Repair
3701 Aghes
512-883-1117
- Corpus Christi 78405
Otto Dukes Machinery Co.
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Porter-Cable Corporation
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214-353-2996
- El Paso 79902
Schlosser Tool & Machinery
1505 Wyoming
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- El Paso 79905
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- Houston 77008
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- Houston 77092
Porter-Cable Corporation
5201 Mitchelldale, Suite B-9
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Box 3223, 1232 W. Marshall
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- Lubbock 79405
Lubbock Electric Co.
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- San Angelo 76903
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915-655-8928
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- San Antonio 78212
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- Sherman 75090
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- Weslaco 78596
Weslaco Tool Co.
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Bond Tool Company
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A.C. Tool and Service, Inc.
2990 South West Temple
801-487-4953
- Salt Lake City 84115
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- Wausau 54401
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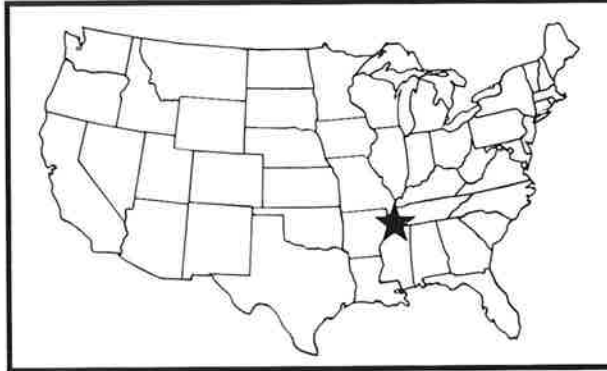
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