

MODEL 59380

PART NO.  
892644-8910

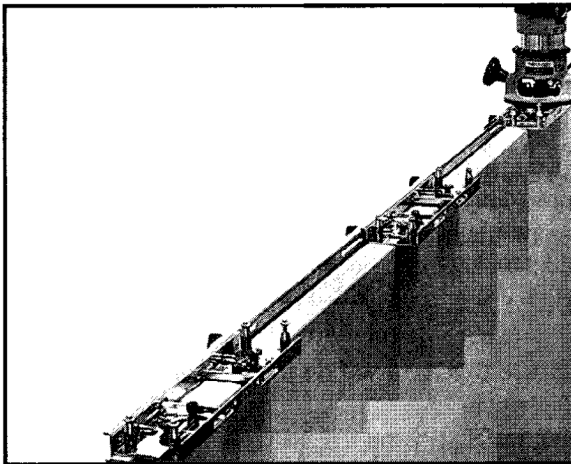
## **HINGE BUTT TEMPLET**

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### **IMPORTANT**

*Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.*



### **INTRODUCTION**

Your new Porter-Cable tool is simple to operate and is built to give long, trouble-free performance. However, you will achieve the best results if you will take a few minutes to read through this manual. In the following pages, maintenance and basic operating instructions are given. Please be sure to follow the maintenance instructions and learn the basic operating techniques so you can get the longest life and most productive use from your tool.

Porter-Cable tools mechanize countless laborious hand chores. They reduce fatigue and speed up slow operations in many specialized types of work.

These tools are built to the same standards of precision and quality that have made Porter-Cable famous as producers of fine tools for industry and home.

# IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following:

READ AND FOLLOW ALL INSTRUCTIONS.

There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool 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 tool until you have written Porter-Cable and we have advised you.

Technical Service Manager  
Porter-Cable Corporation  
4825 Highway 45 North  
P. O. Box 2468  
Jackson, TN 38302-2468

- 1. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- 2. AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep area well lit. Avoid chemical or corrosive environment. Do not use tool in presence of flammable liquids or gases.
- 3. GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
- 4. KEEP CHILDREN AWAY.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- 5. STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place – out of reach of children.
- 6. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- 7. USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool. Don't use tool for purpose not intended – for example – do not use a circular saw for cutting tree limbs or logs.
- 8. DRESS PROPERLY.** Do not wear loose clothing or jewelry. Loose clothing, draw strings and jewelry can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 9. USE SAFETY GLASSES.** Wear safety glasses or goggles while operating power tools. Also face or dust mask if operation creates dust. All persons in the area where power tools are being operated should also wear safety glasses and face or dust mask.
- 10. DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges. Have damaged or worn power cord and strain reliever replaced immediately. DO NOT ATTEMPT TO REPAIR POWER CORD.
- 11. SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 12. DON'T OVERREACH.** Keep proper footing and balance at all times.

**13. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Have all worn, broken or lost parts replaced immediately. Keep handles dry, clean and free from oil and grease.

**14. DISCONNECT TOOLS** when not in use, before servicing, and when changing accessories such as blades, bits, cutters, etc.

**15. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

**16. AVOID UNINTENTIONAL STARTING.** Do not carry a plugged-in tool with finger on switch. Be sure switch is off when plugging in. Keep hands, body and clothing clear of blades, bits, cutters, etc. when plugging in the tool.

**17. OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords marked "Suitable for use with outdoor appliances – store indoors when not in use."

**18. STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired or while under the influence of medication, alcohol or drugs.

**19. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine 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 by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

**20. WEAR EAR PROTECTION** to safeguard against possible hearing loss.

**21. SOME WOOD CONTAINS PRESERVATIVES WHICH CAN BE TOXIC.** Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, any safety information available from your material supplier.

**22. READ, UNDERSTAND, AND FOLLOW** the instructions supplied with your Router.

SAVE THESE INSTRUCTIONS

**FOREWORD**

Porter-Cable Model 59380 Hinge Butt Templet will accommodate routing for two or three hinges on wood doors and jambs of the following sizes:

- Hinge Size: 3", 3½", 4", 4½", 5", 5½", and 6"
- Door Heights: 6', 6'6", 6'8", and 7'
- Door Thickness: 1¾", 1¾", 2", 2¼", and 2½"

Accessories are available to increase Templet to allow routing for three or four hinges on wood doors and jambs of the following sizes:

Door Height	Number of Hinges
7' to 8'	3 or 4
8' to 9'	3 or 4

Jamb Gages are also available for setting templet to route wood doors to fit metal jambs or provide clearance for weather stripping.

Clearance at top of door may be  $\frac{1}{16}$ " or  $\frac{1}{8}$ ". Hinges may be located 5" to 6" from the top of the door, and 9" to 10" from the bottom; or 7" to 8" from the top and 10" to 11" from the bottom. Either left or right hand doors may be routed. To determine a left-hand door or a righthand, face the door opening from the side on which the hinge pins will be visible after door is hung. If hinge pins are to your right, it is a right-hand door. If pins are to your left, it is a left-hand door.

## POSITIONING DOOR FOR ROUTING

While facing door from side on which hinge pins will be visible, set a right-hand door on its edge with the top of the door to your left. Set a left-hand door on its edge with the top to your right. Secure door in this position.

## ASSEMBLING TEMPLAT FOR RIGHT-HAND DOOR

Example: To mortise a  $1\frac{3}{8}$ " thick, 6'8" right-hand door, for three  $3\frac{1}{2}$ " hinges, 5" down from the top of the door. Clearance between top of door and jamb to be  $\frac{1}{16}$ ".

1. **See Fig. 1.** Loosen thumb nuts (A) and adjust hinge size plates (B) and (C) so the indicator (D) aligns with the  $3\frac{1}{2}$ " graduation line on the templet body. Adjust all templet sections in the same manner. Be sure projection on bottom of hinge size plate engages hole in templet body. Tighten thumb nuts (A) securely.

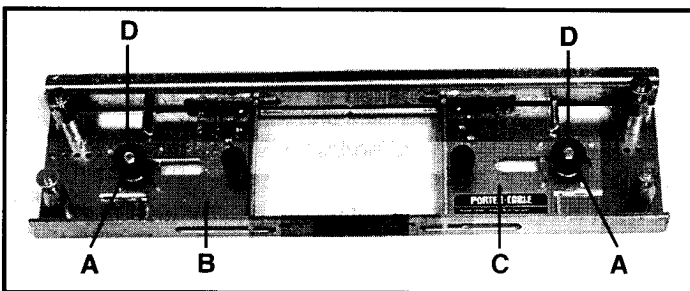


Fig. 1

2. **See Fig. 2.** Under left thumb nut and washer (A) install 5" (short) end gage (B), aligning scribed line next to the number 5 with center of projection (C).
3. **See Fig. 3.** Facing Door, set templet section on edge of door at your left and snug channel (A) against door. Lay straight edge on door top (left end) and butt end gage  $\frac{1}{16}$ " step (B) against straight edge. Drive nails (C) into door.

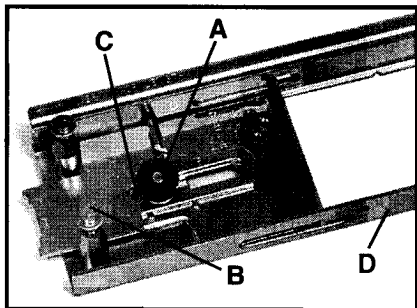


Fig. 2

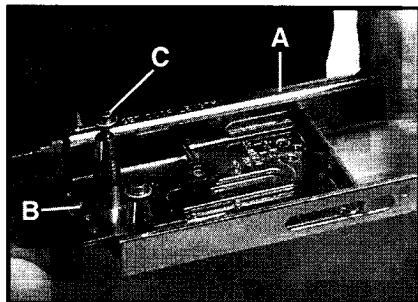


Fig. 3

4. **See Fig. 4.** Attach adjusting channel (A) with thumb screw (C) to right end of the templet section (B), which was just nailed to door. Adjust channel so the 3½" graduation line on the 5 top 10 bottom scale (D) aligns with end of templet section (E). Securely tighten thumb screw (C) being sure plunger within screw locates in recess in adjusting channel to prevent movement.

**NOTE:** When mortises for other than 3½" hinges are being made, the plunger within thumb screw (C) retracts. Care should be taken not to jar adjusting channel out of location.

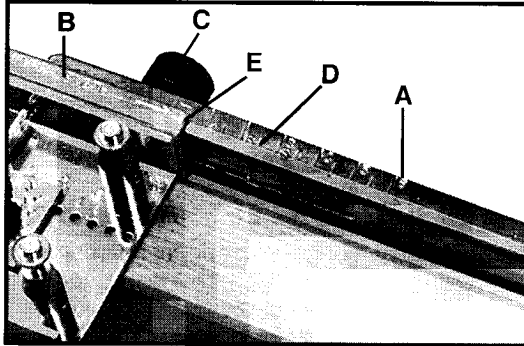


Fig. 4

5. **See Fig. 5.** Attach center templet (A) with thumb screw (B) to adjusting channel just installed in Step 4. Adjust channel so the 6'8" graduation line (C) aligns with the end of templet section. Securely tighten thumb screw (B) being sure plunger within screw locates in recess in adjusting channel to prevent movement.

**NOTE:** Recesses are provided for 6', 6'6", 6'8" and 7' doors. When mortising other size doors, the plunger within thumb screw (B) retracts. Care should be taken not to jar adjusting channel out of adjustment.

Snug guide channel (D) against door and drive nails (E) into door.

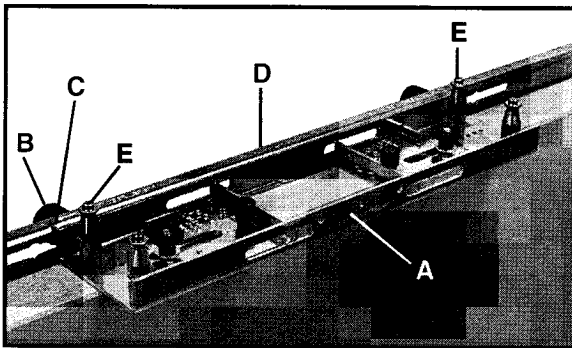


Fig. 5

6. Attach adjusting channel to right end of center section in same manner as outlined in Step 4.

7. **See Fig. 6.** Prior to attaching the last templet section on door, the remaining 5" end gage (A) may be assembled to the right end of this section in the same manner as outlined in Step 2. Templet would then be ready for use in conjunction with left-hand doors. Attach templet section to door as outlined in Step 5. Door and templet are now ready to route for hinges.

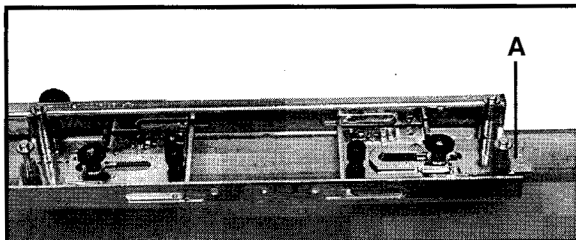


Fig. 6

## ASSEMBLING TEMPLAT FOR LEFT-HAND DOOR

Assemble templet as outlined for right-hand doors but do not drive nails. Facing door, set assembled Hinge Butt Templet on edge of door so that the  $\frac{1}{16}$ " step in the right end gage is located against a straight edge placed against the top (right end) of door. Snug channels against door and drive nails.

## SELECTING ROUTER BIT

Determine the size of Corner Radius on hinges to be installed and select corresponding bit and templet guide from those listed in the back of this manual. To insure correct size mortise is cut it is important that only the templet guide specified for the size of bit selected be used.

If hinges have square corners, the  $\frac{1}{2}$ " diameter bit and corresponding templet guide are recommended. A corner chisel, to square the corners of cut mortise, is available as an accessory.

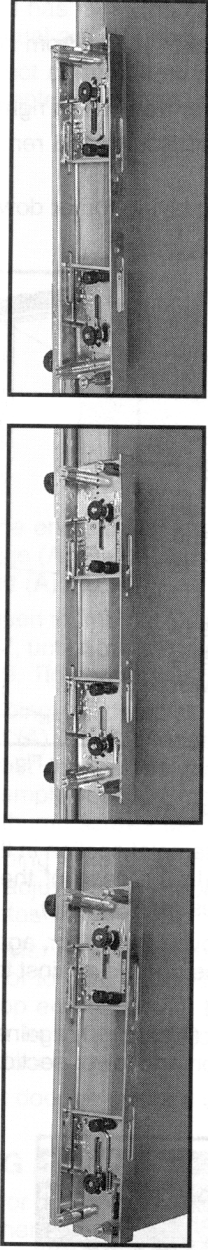
## PREPARING ROUTER

**CAUTION:** The following instructions for preparing and using the Router are general. Read and follow the instructions in your Router Owner's Manual.

**CAUTION:** MAKE SURE ROUTER IS DISCONNECTED FROM POWER SOURCE.

1. Assemble templet guide to router base with lock nut and tighten lock nut securely.
2. Install selected bit in router collet and tighten securely.
3. Set Router on Hinge Butt Templet and adjust depth of cut so bit just touches door.
4. Set router depth adjusting ring to zero position.
5. Lift Router from Templet and adjust depth of cut equal to thickness of hinge to be installed.
6. Firmly tighten motor locking device.

**TEMPLER SET UP FOR THREE-HINGE RIGHT-HAND DOOR**



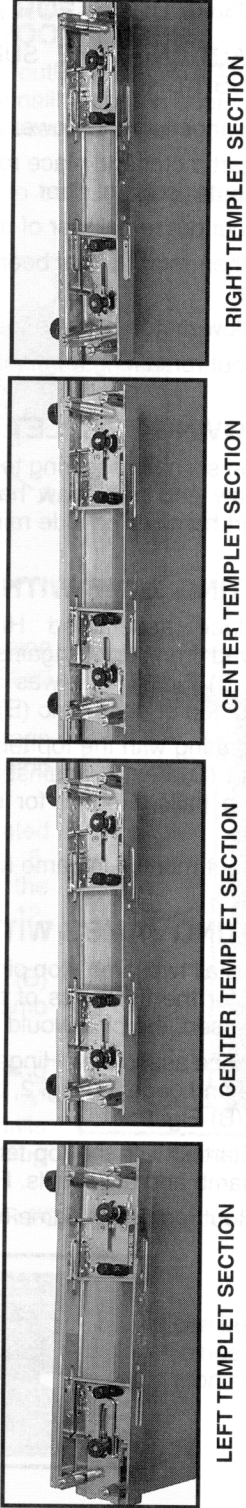
**RIGHT TEMPLER SECTION**

**CENTER TEMPLER SECTION**

**LEFT TEMPLER SECTION**

**Fig. 7**

**TEMPLER SET UP FOR FOUR-HINGE RIGHT-HAND DOOR**



**LEFT TEMPLER SECTION**

**CENTER TEMPLER SECTION**

**CENTER TEMPLER SECTION**

**RIGHT TEMPLER SECTION**

**Fig. 8**

## ROUTING DOOR FOR HINGES

**CAUTION:** MAKE SURE ROUTER SWITCH IS IN THE "OFF" POSITION.

1. Connect cord to power source.
2. Start motor and place router on templet and make first cut from right to left along outer edge of door.
3. Rout out remainder of mortise by moving Router from left to right.
4. When mortise has been completely cut turn off Router and remove from templet.
5. Allow motor to come to a complete stop before laying router down .
6. Rout remaining mortises in the same manner.

## REMOVING TEMPLLET FROM DOOR

Pull the six nails securing templet to door by inserting the claw end of a claw hammer under nail heads, support hammer on side rails and pull nails.

## ROUTING JAMB WITH STOPS IN PLACE

1. Place assembled Hinge Butt Templet, as removed from door, against door jamb so the end gage (B) Fig. 2, that was at the top of the door, is against top of door jamb (B) Fig. 9.
2. Starting with the top templet section snug side of templet (D) Fig. 2, against door stop (A) Fig. 9, and drive in nails. Repeat for center section and lower section.
3. Rout mortise in same manner as for door.

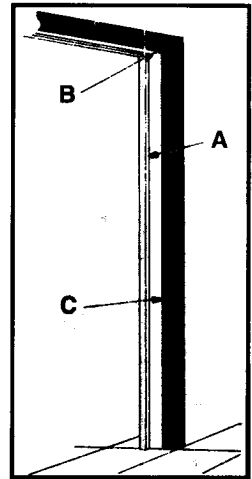


Fig. 9

## ROUTING JAMBS WITHOUT STOPS IN PLACE

1. Install two jamb stop pins (A) Fig. 10, in each templet section in the correct holes for the thickness of the door being hung. (In the case of the example being used, the pins would be installed in the holes marked 1 $\frac{3}{8}$ ".)
2. Place assembled Hinge Butt Templet, as removed from door, against jamb so the end gage (B) Fig. 2, that was at the top of the door, is against top of door jamb (B) Fig. 9.
3. Starting with the top templet section butt pins (A) Fig. 10, against edge of door jamb and drive nails. Repeat for center section and lower section.
4. Rout mortise in same manner as for door.

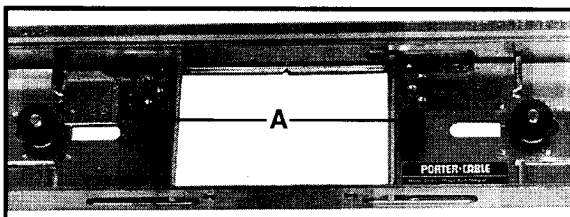


Fig. 10



## SETTING TEMPLAT FOR FITTING WOOD DOORS TO METAL JAMBS OR PREVIOUSLY MORTISED WOOD JAMBS

1. Assemble complete Hinge Butt Templet as outlined under ADJUSTING TEMPLAT FOR RIGHT-HAND DOOR but do not nail to door. If door is over 7' high and has more than 3 hinge appropriate accessories listed in the back of this manual are required.
2. Select correct jamb gage for size of hinge to be used and assemble to each templet section (A) Fig. 11.

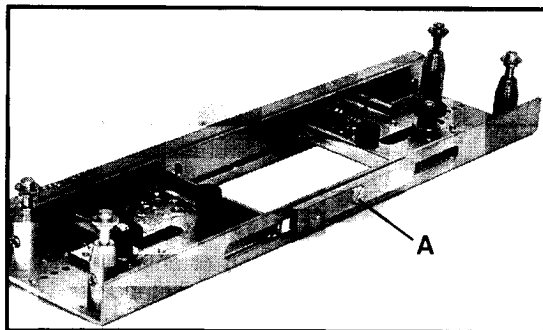


Fig. 11

3. Place end templet section to top of jamb placing jamb gage (A) Fig. 11, in metal or previously mortised jamb butt (A) Fig. 12.

4. Loosen thumb nut (A) Fig. 2, and adjust end gage (B) Fig. 2, until it butts against the top of the door jamb (B) Fig. 9. Tighten thumb nut securely.

5. Keeping top templet section jamb gage mated with butt (A) Fig. 12, loosen thumb screw (B) Fig. 5, and adjust templet so that the jamb gage on the center templet section mates with butt (B) Fig. 12. Tighten thumb screws securely.

6. Keeping jamb gages mated with butts (A) and (B) Fig. 12, adjust lower templet section so that its jamb gage mates with butt (C).

7. Transfer complete adjusted templet to door, being careful not to jar it out of adjustment. Align  $\frac{1}{16}$ " or  $\frac{1}{8}$ " step in top end gage with top of door and drive nails into door keeping guide channels (D) Fig. 5, snug against door.

8. Rout door as outlined under ROUTING DOOR FOR HINGES.

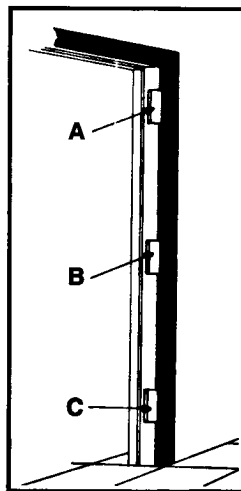


Fig. 12

## MAKING ALLOWANCE FOR WEATHER-STRIPPING

On exterior door jamb with door stops already in place, allowance can be made for weather-stripping by attaching correct size jamb gage for hinge being installed; to the inside of each templet section (A) Fig. 13, before mortising the jamb. These gages are not required when mortising the door.

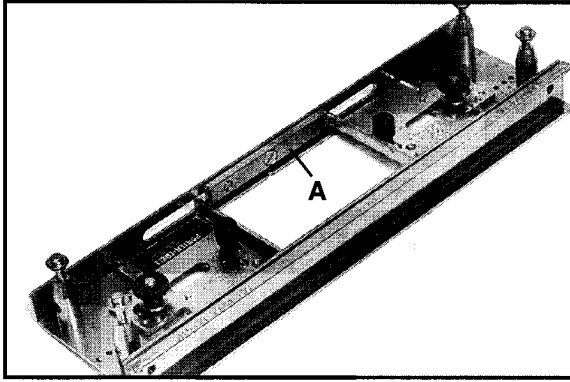


Fig. 13

## MAINTENANCE

Keep templet clean, remove accumulation of chips and dust resulting from working with green or sappy woods. Replace or straighten bent rails and nails immediately. Occasionally inspect end gage screws and side rail thumb screws to assure plungers and pins retract freely.

## SERVICE AND REPAIRS

Any authorized PORTER-CABLE SERVICE STATION or a PORTER-CABLE SERVICE CENTER can supply replacement parts. Operations performed by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your templet, feel free to write us at any time. In any communications, please give all information shown on the nameplate.

## ACCESSORIES

The testing of this tool has been accomplished with the following accessories. For safest operation, it is recommended that only these accessories be used with this product.

**WARNING:** Since accessories other than those listed have not been tested with this product, use of such accessories could be hazardous.

For Hinges with 1/4" Corner Radius

- 42042 Templet
- 42237 Lock Nut
- 43446 1/2" Dia. H.S. Steel Bit or
- 43437 1/2" Dia. Carbide Tipped Bit

For Hinges with 5/16" Corner Radius

- 42039 Templet Guide
- 42237 Lock Nut
- 43440 5/8" Dia. Carbide Tipped Bit

For Hinges with 5/8" Corner Radius

- 42048 Templet Guide
- 42237 Lock Nut
- 43745 1 1/4" Dia. Carbide Tipped Cutter with 1/4-28 thd. and one of the following arbors:
  - 43736 1/4" Dia. Arbor
  - 43737 1/2" Dia. Arbor

**59849 Accessory Package** – increases capacity of hinge butt templet to accommodate 3 hinge 7' to 9' doors (includes two short rails and two long rails).

**59859 Accessory Package** – increases capacity of hinge butt templet to accommodate 4 hinge 7' to 8' doors, and 4 hinge 8' to 9' doors (includes 2 sets of guide rails and 1 templet section assembly).

- 59825 3" Jamb Gage
- 59826 3 1/2" Jamb Gage
- 59827 4" Jamb Gage
- 59828 4 1/2" Jamb Gage
- 59832 5" Jamb Gage
- 59830 5 1/2" Jamb Gage
- 59831 6" Jamb Gage
- 59824 Carrying Case
- 42234 Corner Chisel

## **PORTER-CABLE LIMITED ONE YEAR WARRANTY**

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace, at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement, return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

**ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.**

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, P.O. Box 2468, Jackson, Tennessee 38302-2468; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.