



900W BISCUIT JOINTER

User Guide & Warranty



After Sales Support

Now you have purchased a Power Craft product you can rest assured in the knowledge that as well as your 3 year parts and labour warranty you have the added peace of mind of dedicated helplines and web support.

AFTER SALES SUPPORT

UK / N.IRELAND HELPLINE NO 0870 112 1948

REP. IRELAND HELPLINE NO 0800 32 929292

WEB SUPPORT www.clickspares.co.uk

MODEL NUMBER: 6851

Introduction

Congratulations on choosing to buy a PowerCraft product.

By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Europe's leading manufacturers.

All products brought to you by PowerCraft are manufactured to the highest standards of performance and safety, and, as part of our philosophy for customer service and satisfaction, are backed by our comprehensive 3 Year Warranty.

We hope you will enjoy using your purchase for many years to come

General information and safety instructions



Carefully read this manual before using the machine. Make sure that you know how to operate it. Maintain the machine in accordance with the instructions to make sure it functions properly. Keep this manual with the machine.

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

1. WORK AREA

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. ELECTRICAL SAFETY



Always check that the power supply corresponds to the voltage on the rating plate. Your machine is double insulation in accordance with EN50144. Therefore no earth wire is required.

Replacing cables or plugs

Immediately throw away old cables or plugs when they have been replaced by new ones, it is dangerous to insert the plug of a loose cable in the wall socket.

Using extension cables

Only use an approved extension cable suitable for the power input of the machine the minimum cable size is 1.5mm². When using a cable reel always unwind the reel completely.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3. PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

4. POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or sticking of moving parts, breakage of parts and any other condition that may affect the power tool's

operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5. SERVICE

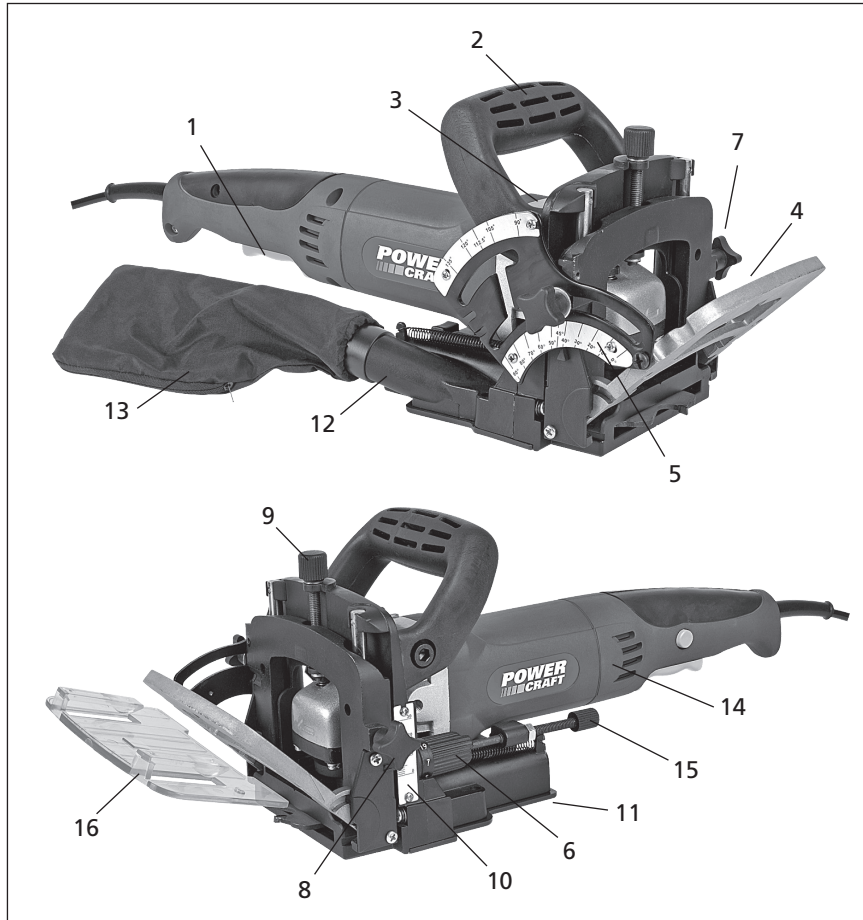
Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY WARNINGS

- Sawdust and splinters must not be removed while the machine is running.
- Do not use cutting discs or circular saw blades in the machine.
- Protect saw blades against shocks and impacts.
- Only use properly sharpened blades, otherwise increased cutting forces will shatter the work piece.
- Before use, inspect the saw blade for any damage. Do not use saw blades that are cracked, ripped or otherwise damaged.
- Make sure that the work piece is sufficiently supported or clamped. Keep your hands away from the surface to be cut.
- Use the machine only with the auxiliary handle.
- When saw blades have to be mounted on the thread of the spindle, make sure that the spindle has sufficient thread.
- Make sure that the saw blade has been mounted and fastened properly. Do not use reducing rings or adapters to make the saw blade fit properly.
- Apply the machine to the work piece only when the machine is switched on.
- When working with the machine always hold the machine firmly with both hands and provide for secure distance.
- Persons under 16 years of age are not permitted to operate this machine.
- Always wear safety goggles, dust mask and hearing protection. If desired or required also use another protection for example an apron or helmet
- Always disconnect the plug from the socket before carry out any work on the machine only plug-in when the machine is switched off
- Keep mains lead clear from working range of the machine. Always lead the cable away behind you.
- The base plate must not be clamped down while the blade is extended. Lowering and raising the blade must be a smooth operation.

Assembly and Parts List

fig.A



Description (fig.A)

1. On/off switch
2. Auxiliary handles
3. Spindle lock
4. Angle stop
5. Scale for the fence angle
6. Cutting depth adjustment knob
7. Clamping knob for angle adjustment
8. Clamping knob for height adjustment
9. Knob for height adjustment
10. Scale for the height adjustment
11. Base plate
12. Dust bag connection
13. Dust bag
14. Motor base
15. Adjusting knob
16. Plastic base

Package

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!



When parts are missing or damaged, please contact your dealer.

Application

The biscuit jointer is suitable for cutting grooves for biscuit dowel joints in solid wood, plywood, chipboard, fiberboard, Plexiglas and artificial marble. It is not designed for commercial use.

ADJUSTMENTS

1. ADJUSTING THE CUTTING DEPTH

- Always check the milling depth after mounting a saw blade and before first use.

 **Remove the plug from the socket**

- Move the motor base as far as possible backwards
- Set the milling depth in the maximum position by turning the depth adjustment knob 6.(19)
- Move the motor base forwards till the pin falls into the notch of the adjustment knob 6.
- Turn the saw blade till one tooth of the saw blade is in the front position.
- Measure the distance from the side of the base plate to the tooth of the saw blade.
- Check if the distance is 19 mm because the maximum position is (19)
- If not, unscrew first the nut of the adjusting knob, then turn this adjusting knob 15 till the distance is OK.
- Afterwards lock the nut.
- Then use the adjusting knob 6 to set the cutting depth.
- Move the motor base forwards and check if the pin will fall into the notch of the adjustment knob 6.

The following table shows the relationship of the markings on the adjustment knob to cutting depth, thickness of material and associated biscuit dowel:

Marking	Thickness of material	Biscuit dowel	Cutting depth in mm
0	3-12mm	N°0	3.0
10	12-15mm	N°10	10
20	>15mm	N°20	12.3
M			19

2. ADJUSTING THE CUTTING ANGLE

The cutting angle can be set by unlocking the clamping knob (8) and put the angle stop (4) in the required angle.

3. ADJUSTING THE HEIGHT


- First mount the plastic base 16 over the fence.
- The correct height can be set by unlocking the clamping knob 8 and turning the height adjustment knob 9 to the desired height with the aid of the scale 10. The height must correspond to half of the material thickness of the work piece; the groove of the biscuit dowel must always be in the centre of the work piece.

MOUNTING ACCESSORIES

 **Disconnect the plug from the mains socket**

1. MOUNTING THE SAW BLADE

- Loosen four screws and open the top of the base plate
- Press the spindle lock and turn the spindle (17) until it engages in the lock. Keep the spindle lock pressed during this procedure.
- Remove the flange nut (18) from the spindle using the wrench (19).
- Position the saw blade (20) and the flange (21).
- Place the flange nut (18) from the spindle (17) and tighten it with the wrench.
- Take care that the flange nut will be placed with the correct side on the spindle.
- Release the spindle lock and check that the spindle is unlocked by rotating it.
- Close the top of the base plate and fasten four screws.

 **Make sure that the top of the base plate is securely closed before operating the machine**

2. MOUNTING THE DUST BAG

For dust extraction the dust bag (i4) can be used. Insert the dust bag (14) into the vacuuming Connection (13). Empty the dusts bag regularly so that the vacuuming performance remains intact.


Features

Technical specifications

Voltage	230V
Frequency	50Hz
Power input	900W
No-load speed	11000rpm
Disc diameter	100mm
Blade bore diameter	22mm
Max. cutting depth	19mm
Fence adjustment	0° - 90°
Spindle dimension	M10
Weight	3.0kg

Noise emission values

The noise is measured in accordance with EN 60745 (ISO 3744).

 **The machine may exceed 85 dB(A) at the workplace. In this case, noise protection measures need to be introduced to protect the user.**

Sound pressure level Lpa	92 dB(A)
Sound power level Lwa	103 dB(A)

Weighted root mean square acceleration value according EN 60745 (ISO5348).

Vibration	1.4 m/s ²
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Instructions

1. SWITCHING ON AND OFF

- Never use the spindle lock until the machine is working.
- To switch the machine on slide the on/off switch forwards.
- To switch the machine off, depress the on/off switch, the switch will automatically move
- In the "off" position.



Never use the spindle lock to stop the motor.

2. MARKING THE WORK PIECES

Before starting with the biscuit jointer the work pieces must be marked as follow:

- Place the two work pieces. Which must be connected, on top of each other.
- Fasten the work pieces and mark the center of the groove.
- The space between two grooves should be 10-15cm. This is not applicable for smaller work pieces. Smaller work pieces don't have to be marked.

3. POSITIONING OF THE MACHINE

Based on the size of the work pieces the machine can be positioned in several ways.

4. LARGE WORK PIECES

- Place the machine near the work piece.
- The middle of the base plate (this point is marked on the base plate) must face the center of the groove in the work piece, (see marking the work piece).

5. SMALL WORK PIECES

- Place the machine near the work piece.
- The side of the machine must be facing the side of the work piece.

6. SAWING GROOVES

- Move the motor base backward.
- Place the machine near the work piece.
- Position the machine (see positioning of the machine)
- Hold the machine with both hands and switch the machine on.
- Push the motor base carefully forward as far as possible.
- Move the motor base backward and switch the machine off.

7. JOINING THE WORK PIECES

- When the grooves in both work pieces have been made the workplaces can be joined together.
- Put glue in both grooves.

- Race the biscuit dowel in the groove of one work piece.
- Place the other work piece on the biscuit dowel.
- Fasten the work pieces and wait till the glue is dry.

8. CHECKING THE CUTTING DEPTH

- Always check the cutting depth after mounting a saw blade.
- Disconnect the plug from the socket.
- Move the motor base (14) as far as possible backwards.
- Set the cutting depth in the maximum position by turning the depth adjustment knob (7).
- Move the motor base forwards till the pin will fall in the notch of the adjustment knob (7)
- Turn the saw blade till one tooth of the saw blade is in the front position.
- Measure the distance from the side of the base plate to the tooth of the saw blade.
- Check if the distance is 19mm. The maximum position is 18mm.

9. SETTING THE CUTTING DEPTH

- When the cutting depth is not correct, It can be adjusted as following:
- Move the motor base (14) as far as possible backwards
- Loosen the Pin.
- Set the cutting depth by turning the screw, the screw is positioned at the back of the pin.
- Repeat the procedure till the cutting depth is correct.
- Fasten the Pin.

FAQ

What is a Biscuit Joiner used for?

A Biscuit joiner is a woodworking tool used to join two pieces of wood together.

How does a biscuit joiner work?

A biscuit joiner uses a small (4") blade to cut a crescent shaped hole in the opposite edges of two pieces of wood. An oval shaped wooden biscuit is covered with glue, placed in the slot, and the two boards are clamped together.

What size biscuits should I use in my joints?

Generally you should try to use the largest biscuit that will fit.

What to do if the cutting depth is not correct?

When the cutting depth is not correct, It can be adjusted as following:

Move the motor base (14) as far as possible backwards

Loosen the Pin. Set the cutting depth by turning the screw, the screw is positioned at the back of the pin. Repeat the procedure till the cutting depth is correct.

Fasten the Pin.

What's the difference between a biscuit joiner and a plate joiner?

There is no difference. Both names refer to the same tool. The term "Biscuit Joiner" is used more commonly in the U.S. than Plate Joiner.

Other useful information

Environment



Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.

Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

Warranty

EC DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - B2500 Lier - Belgium, declares that product: Biscuit Joiner / trade mark: PowerCraft / model: TBJ-900 is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives, and their amending directives;
2006/95/EC The Low Voltage Directive
2004/108/EC The Electromagnetic Compatibility Directive
98/37/EC The Machinery Directive

European harmonized standards, and their amendments;
EN60745-1 : 2003 EN60745-2-19 : 2005
EN55014-1 : 2006 EN55014-2 : 1997
EN61000-3-2 : 2006 EN61000-3-3 : 1995

The undersigned acts on behalf and under the power of attorney of the company management,

Philippe Vankerkhove
Certification Manager 07/05/2008

WARRANTY CERTIFICATE



Year of manufacture: 10/2008 900W Biscuit Joiner 6851

Congratulations! You have made an excellent choice with the purchase of this Quality product. Our commitment to quality also includes our service. Should you, contrary to expectations, experience defects due to material or manufacturing faults during private use within 36 months of the date of purchase we shall be liable for warranty in accordance with statutory warranty regulations, provided that: - The device was not put to any use other than the intended. - Was not overloaded. - Was not used with the wrong accessories. - Repairs where not carried out by any other than the authorised workshop. The warranty certificate is only valid in connection with the receipt. Please keep both in a safe place. The warranty does not affect your statutory rights.

The product is guaranteed for a period of three years beginning on the day of purchase. Keep your purchase receipt safe as proof of the date of purchase. The guarantee period can only be extended for the duration of any repair required.

During the warranty period, defective devices can be sent **FREIGHT PREPAID** to the service address stated at the end of this booklet. We will, at our discretion either repair or exchange the device in accordance with warranty legislation.

Please include the following when sending in your product for repair:

1. The receipt (proof of purchase)
2. This warranty certificate with your name, address, contact details and a fault description completed overleaf.

If the original receipt is not enclosed the repair will be charged for in all cases. After the warranty has expired you can still send defective devices for repairs **FREIGHT PREPAID** to the address at the end of this booklet. Quotes as well as repairs after warranty period are to be paid for in all cases. Ensure the product is sent well packed as no responsibility can be accepted for items lost or damaged in transit. This warranty does not affect your statutory rights.

If you are requested by the manufacturer to return the item for repair please complete the enclosed section and send it together with your product and your receipt (proof of purchase) to the service address shown below.

Name: _____

Address: _____

Contact Telephone No.: _____

E-mail: _____

Location of purchase: _____

Fault Description: _____



In order to deal with your enquiry as quickly and efficiently as possible, we ask you to send your enquiry by email. Do not forget to include your name, address and a daytime telephone number.

Alternatively, you can contact our customer helpline on the number given below.

Service United Kingdom / N.Ireland:

Click Spares - Varo

PO Box 457

BS23 9AD Weston-super-Mare

Freephone Tel: 0870 112 1948

Fax: 0870 160 1491

Email: varo@clickspares.co.uk

Service Rep.Ireland:

Click Spares - Varo

Freephone Tel: 0800 32 929292

Email: varo@clickspares.co.uk

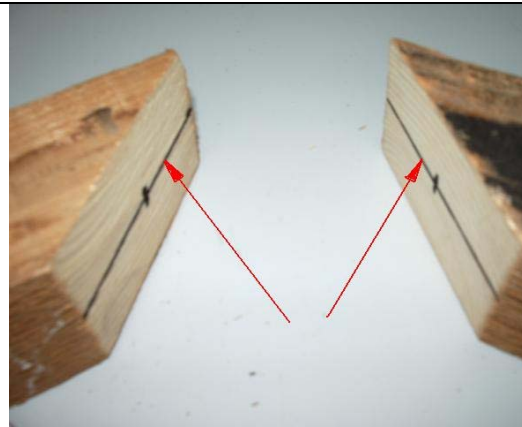
Using the biscuit jointer TBJ-900/2008UK

The biscuit jointer is suited for cutting slots for biscuit joints in solid wood, triplex, chipboard, fibre board, Plexiglas and synthetic marble. Also may be used for cutting grooves with a fixed width (4 mm) to a depth of 19mm in the aforementioned materials.

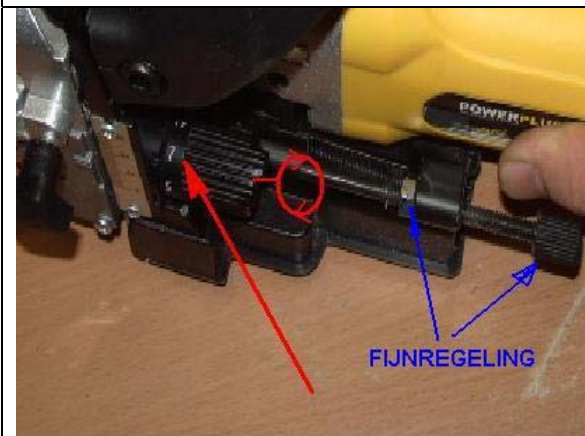
Example of a 90° joint :



To create a 90° joint with the biscuit jointer, first saw a clean cut mitre joint.

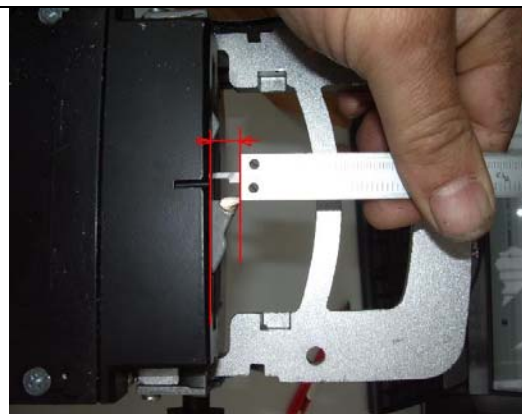


On both pieces, mark the place where the biscuit is to be inserted.

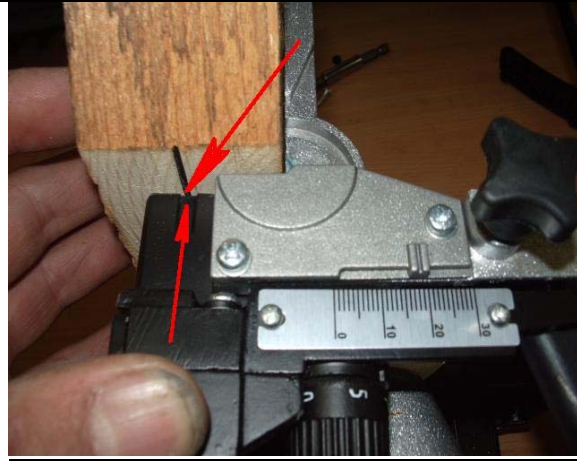


The slot depth must be adjusted with the calibrated adjustment knob and the fine-adjustment screw to fit the size of the biscuit. The fine-adjustments screw is used to adjust precisely to the zero position (calibrated adjustment knob at 0). The blade must then be in alignment with the edge of the tool.

Fijnregeling = fine-adjustment screw



To insert a 20 mm biscuit, the groove must be 10 mm deep. With the calibrated adjustment knob at 7, use the fine-adjustment screw to increase the groove depth to 10 mm.



Place the tool on the workpiece and using the height adjustment bring the lateral groove in line with the marking.



The workpiece is then clamped firmly in place, and after placing the tool on it and turning it on, move the tool slowly toward the workpiece until the jointer has reached the required depth.

Vastklemmen = clamping



The two halves to be joined are to be prepared in this way.



Apply glue to the grooved openings, place the biscuit in one half, join the two parts and press together with a vise. The biscuit absorbs the moisture from the glue and swells, thereby ensuring a close-fitting joint.