DURDEN & COMPANY LIMITED

3-5 PROVIDENT AVENUE, GLYNDE,
SOUTH AUSTRALIA

INSTRUCTIONS FOR THE OPERATION

AND LUBRICATION OF THE—

DURDEN

"JUNIOR JOINER"

The Saw Bench—

For ripping timber into narrower sections first check to see that the guide fence face is exactly parallel to the master line on the saw table, if it needs adjusting loosen the wing nut on the fence slide casting and correct the alignment, having relocked this wing nut, slide the whole fence assembly along the table guide rail until the tail end of the guide fence is extended not more than approx. 1" past the leading edge of the saw blade, the lower wing nut on the fence slide casting should now be tensioned to hold the whole fence assembly firm on the table guide rail.

The top wing nut can now be used to position the guide fence the correct distance from the saw blade to produce the width of work desired.

For miter cutting follow the directions given on the degree scale attached to the saw table and after having set the guide fence to the desired angle, the lower wing nut should now be released to allow the whole fence assembly to slide freely along the table guide rail. The timber to be cut is held down on the table and back fence against the fence face, while the whole fence assembly is moved forward until the timber has been cut off.

Note—

The pressure necessary to move the whole assembly forward should be applied by the operator's right hand as near as possible to directly above the table guide rail, this will ensure a smooth movement of the fence slide casting along its guide rail. Do not apply a forward pressure with the hand that is holding the timber as this pressure, in most cases, will be too far away from the guide rail and could possibly cause a jerky movement on the timber while the cut is taking place.

To produce angle cuts release the lock bolt behind the guide fence and tilt and lower the fence until the desired angle is obtained, slide the whole fence assembly past the saw blade until the tail of the fence is approximately level with the rear of the saw blade, in this position lock the lower wing nut to hold the whole fence assembly firm, while the cutting operation is carried out.

The Planer—

Adjust the front table to the desired depth of cut by means of the main control handle at the front of the machine. To do this grasp the handle firmly and release the main wing nut, situated at the front of the unit under the saw table, the front planer table should now be positioned to obtain the desired depth of cut and the main lock retightened. For normal flat planing the guide fence is not needed as the timber being planed can be held and guided against the side of the saw table. When planing the edge of a wide board the guide fence should be used in the following manner,

release the middle wing nut on the fence slide casting and remove the guide fence and pivot casting, transfer this complete unit over and, after opening the planer guard back to its "hold open position", insert the fence peg down through the hole in the saw table as far as it will go, release the top wing nut and slide the fence back against the saw table, now lock the planer fence wing nut, situated at the front of the unit on the saw table edge, the guide fence can now be slid sideways across the planer table as desired and after releasing the planer guard from its "hold open position" the machine is ready for making square edge cutting or for rebating operations. By tilting the fence as previously explained under angle cutting on the saw, bevel planing is readily obtainable also.

Boring, Dowelling, Slot Mortising and Sanding.

1. Raise the tables to their full height.

2. Remove saw guard and rifing knife by loosening the holding bolt at the rear of the saw table.

3. Remove the guard from under the saw table by loosening the two small wing nuts.

4. Release the large plastic knob under the saw table until it spins freely.

5. Grasp saw table at front and rear and tilt up the edge nearest the planer to about twenty degrees, pull the table sideways along its guide rails until it can be lowered down level again and positioned against the stop pins which are fitted in the guide rails, push large plastic knob upwards and engage thread in table, tighten moderately.

6. With spanner provided, loosen the two hexagon nuts visible down behind the saw blade, while at the same time supporting the weight of the saw table at its right hand side, with nuts loose the saw table can now be lowered to the bottom of its travel and the two hexagon nuts re-locked.

7. Invert the guard which was previously removed from under the saw table and place it over the top of the saw blade and retighten the small wing nuts.

8. Lower the tables with the main control lever to the desired height for the boring operation.

9. Insert a standard ½" shank boring or mortising bit, as the case may be, into the end of the saw spindle and tighten the collet nut lightly with the spanner provided.

10. If the nature of the work is at all heavy use the support nut and rod which when adjusted down against the base will make the lowered saw table quite rigid and prevent any sag when weight is applied.

11. The same procedure as earlier explained for boring is adapted for sanding, except that after the table has been lowered to its lowest point with the main control handle, the collet nut, referred to above, is removed, and after loosening the large plastic knob until it spins freely the table is drawn sideways away from the spindle to allow the sanding disc to be screwed on. The table is then returned to its correct position against the stop pins in the guide rails and the large plastic knob is retensioned moderately. The main control handle should now be lifted to bring the table surface just above the centre of the sanding disc.

For both Boring and Sanding operations the guide fence can be swung across the table to form a right angle for boring or to any angle, off the protractor on the table, for sanding work in which case the whole fence assembly can be traversed along the table guide rail in a similar manner to that explained earlier, under Miter Cutting on the saw.

Junior Joiner Accessories

1. A two knife moulding head for use on the spindle in place of the 8" saw blade. This very worthwhile addition to your Junior Joiner enables a wide variety of moulding work to be carried out. Cutters in matched pairs are available to produce standard shapes such as cupboard door mould, window sach mould, bullnosing etc.

2. A Collett Adaptor Sleeve ½" to ¼" reduction. This sleeve enables drill bits having ¼" shanks to be held in the Junior Joiner's collet chuck.

LUBRICATION INSTRUCTIONS

The main spindle is mounted on ballraces and has been greased at the factory, regreasing should not be necessary for up to twelve months. To repack the bearings remove the saw table, unscrew the planer side bearing cap using a suitable size pin punch, and after removing the two 5/32" screws on the saw side bearing, slide the dust cover back along the shaft and both bearings will now be exposed for re-greasing.

Warning—

Use only a good quality ball bearing grease, such as that recommended on our nameplate, otherwise serious damage could result.

All other working parts of the "Junior Joiner" should be lubricated with a light grade oil, giving special attention to the vee slide on which the tables rise and fall, this slide together with the secondary slide used for the boring operation, can be plainly seen if the saw table is lifted off or drawn sideways to its boring position.

Keep the fence slide casting well oiled where it slides on the guide rail and where it bears on the side of the saw table, this will ensure a smooth action for miter cutting. The action of the saw guard is governed, to some degree, by the vertical face of the rifing knife so this face should be kept free of paint and lightly oiled from time to time.

RUST PREVENTATIVE

Before leaving the factory every "Junior Joiner" has a protective coating of temporary rust preventive oil applied to all table surfaces, etc., this should be removed with kerosene or methylated spirits before attempting any operation of the unit.

ELECTRICAL EQUIPMENT

Your "Junior Joiner" is fitted with a totally enclosed fan cooled electric motor and is controlled by an "on-off" switch located on the motor. A short plastic connector lead, together with a 3 pin plug top, is attached to the switch to allow the use of an extension cord for plugging into the normal domestic power point.

Avoid using long extension cords where possible, as these cause a considerable loss of voltage resulting in decreased h.p., especially when using the saw bench.

If your "Junior Joiner" is not fitted with a 240 volt single phase motor it will be necessary to fit the appropriate wiring to suit your motor, e.g., 415 volt 3 phase, 32 volt D.C. etc.

Servicing of G.M.F. Electric Motors:

Authorised agents for the repair and service of G.M.F. electric motors in the various States are as follows:

N.S.W.: Direct to Factory—Phone 59 0211. Contact Assistant Manager, Mr. G. A. Cumines, or Foreman of Service Dept., Mr. S. Magaric.

QUEENSLAND: Agents: Electrical Agencies Pty. Ltd., 104 Edward Street, Brisbane. Phone 2 2326. Contact Mr. T. Glover.

Service Station: S. MacIntosh, Eva Street, Coorparoo, Brisbane.

VICTORIA & TASMANIA: Agents: Harold J. Beer Pty. Ltd., 232 King Street, Melbourne. Phone MU 6474.

Service Station: Harold J. Beer Pty. Ltd. Mr. Pemberton. E. J. Walkem, Canning Street, Launceston. Holmes & Kile, 89 Carlton Street, New Town, Hobart.

WESTERN AUSTRALIA: Agents: John Leonard Pty. Ltd., 230 Havelock Street, Perth. Phone 28 1056. Contact Mr. John Owens.

Service Station: R. P. Gray Pty. Ltd., 204 Royal Street, Perth.

SOUTH AUSTRALIA: Agents: Arthur H. Hall Ltd., 3 Young Street, Kent Town, S.A. Contact Arthur H. Hall. Phone 63 7742.

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Guarantee

Durden & Company Limited, manufacturers of "Durden" machine Tools, hereby guarantee to the purchaser of each "Durden" machine (particulars of which are contained in the attached guarantee registration form) that such machine when delivered was precision-engineered from the finest materials available and was thoroughly inspected and tested before leaving the factory.

If, within twelve months following the date of delivery, the machine is proved to have been defective, by reason of faulty materials or workmanship, Durden & Company Limited will repair or replace the faulty part or parts of the machine free of charge.

This guarantee is strictly subject to the following conditions:

CONDITIONS

1. The purchaser must, within seven days after receipt of the machine, complete the attached guarantee registration form in every particular, including the personal signature of the purchaser and return the form to Durden & Company Limited, Provident Avenue, Glynde, South Australia.

2. The part or parts of the machine considered to be defective shall be returned to Durden & Company Limited not later than fifteen days after being so found and within the guarantee period and with postage or carriage paid.

A brief written description of the complaint, together with the purchaser's name and address and date of purchase and bearing the personal signature of the purchaser shall accompany the parts.

3. This guarantee is not transferable and only relates to the original purchaser whose name and signature appear on the guarantee registration form and is effective only during the stated twelve months period and lapses if the purchaser parts with the possession or ownership of the machine during that period. Durden & Company Limited will accept no responsibility whatsoever under this guarantee or otherwise, if the machine is not used strictly in accordance with the instructions supplied, or if the fault can reasonably be explained by carelessness, negligence, or lack of lubrication and maintenance on the part of the user. Any service repairs or replacements deemed necessary and effected by the Company in every case shall be payable by the purchaser.

4. If the machine or any part or parts thereof is returned to the Company in accordance with the terms of this guarantee and within the guarantee period, the purchaser will be responsible to pay all transport and packing costs both on the return of the same to Durden & Company Limited and on the subsequent return to the purchaser.

5. Liability is expressly excluded in the case of accident to, misuse or neglect of, or tampering with, or unauthorised manipulation of the machine after delivery and the onus of negativing the same shall rest with the purchaser.

6. Durden & Company Limited will not, in any case, be liable to pay compensation for any loss or damage sustained either directly or indirectly by the purchaser, or any other person, consequential upon the use of the machine or otherwise howsoever arising.

7. This guarantee applies to the use of "Durden" machine tools in the Commonwealth of Australia only.

8. No court other than the Local Court of Adelaide shall have jurisdiction to hear claims under this guarantee.

GENERAL REMARKS

A little care means years of trouble free use. Every "Durden" machine is thoroughly inspected and tested before leaving the factory and with a little care it will give many years of invaluable and trouble free service. It is most important, however, that before using the machine the owner should carefully study the instructions supplied with each machine and examine the machine so as to become fully acquainted with its various parts and the manner in which it functions.

DURDEN MACHINERY CO.
MOULDING CUTTERS