

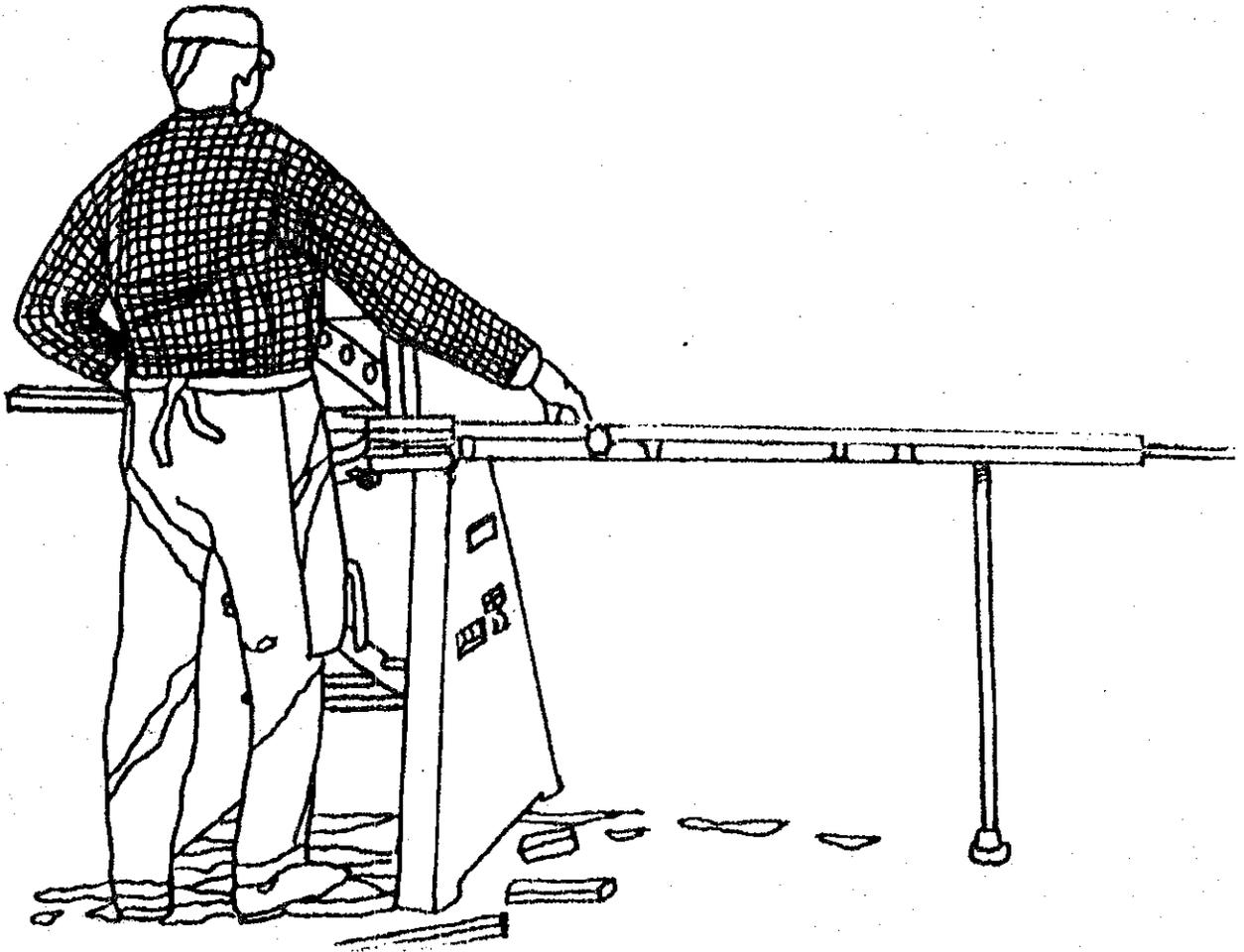
Jyden[®]

- YOUR PROFESSIONAL EQUIPMENT

I N S T R U C T I O N M A N U A L

for

the foot-operated JYDEN



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WARNINGS

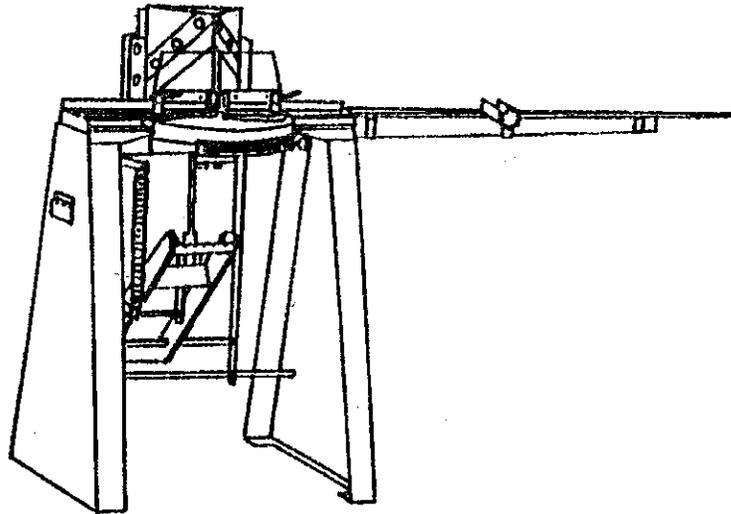
IT IS VERY IMPORTANT THAT YOU READ THE INSTRUCTION MANUAL THOROUGHLY PRIOR TO USE !!!

- 1) Do never let children or unskilled people operate the machine as the blades are very sharp. The owner of the machine should caution his staff and visitors on this point.
- 2) Always keep fingers away from blades when cutting. Always keep both hands on the moulding at a safe distance from blades when cutting.
- 3) Never place your foot on foot pedal or press foot pedal when adjusting or replacing spare parts.
- 4) Machine must be equipped with 2 springs to prevent knife block from falling down in case one of the two springs bursts.
- 5) Always bring knife block to front position when leaving your machine.
- 6) Cover knife block when machine is not in operation. (A special knife block protector can be acquired against additional price).

JYDEN DOES NOT GRANT ANY GUARANTEE IN CASES WHERE UNORIGINAL SPARE PARTS ARE USED AND IN THESE CASES DISCLAIMS ALL RESPONSIBILITY FOR THE FUNCTIONING OF THE MACHINE.

Furthermore, it should be noted that the manufacturer disclaims any liability for recklessness or irresponsible operation of the machine.

BEFORE PUTTING THE MACHINE INTO SERVICE



Mounting of extension table:

The right-hand extension table (no.0024**) is not mounted on the machine in transit. Before mounting, clean end of table and both ends of extension table thoroughly as even the slightest foreign particles may cause inaccuracy.

After cleaning, press extension against table and make sure guide pins get into the holes of the table. Screw up bolt.

**) All numbers mentioned in this instruction manual refer to the enclosed spare part list and exploded view.

Cleaning:

Remove anti-rust composition from machine with a cloth moistened with kerosine. Remove protective plastic film from measuring scale.

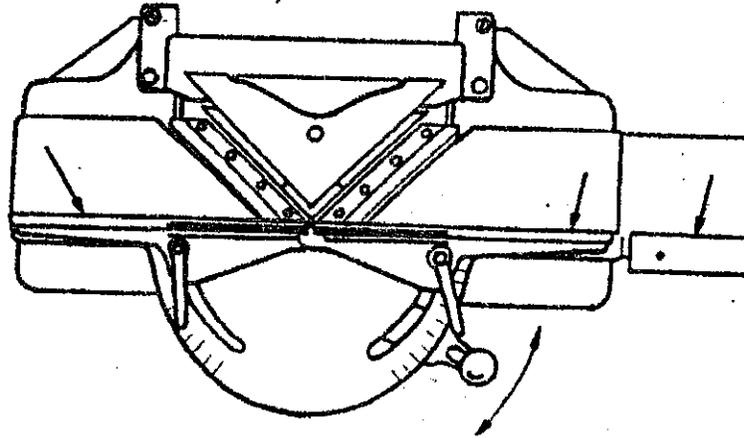
Be aware that blades of machine are very sharp and therefore exercise extreme caution when cleaning it. When cleaning under blades, rebate supports and fences bring knife block to rear position. Then take blades to rear position by means of spring arm (no. 0037).

Lubrication:

The machine has been lubricated when delivered; however, it should be lubricated regularly. Lubricate all sliding surfaces, bearings and moving parts with a good lubricating oil (lubricate the seven holes for lubricating).

Adjustment of fences:

The fences (nos. 0007 and 0008) have not been adjusted from the factory as they must be cleaned before putting the machine into service (see above).



When adjusting fences, adjust right fence after zero mark so that it is in line with table rail of the extension. Adjust left fence as well after zero mark. A more accurate adjustment can be obtained by adjusting after the engraved line on table.

Fences are adjustable from 45° to 90° (eg. hexagon or octagon mouldings). When cutting mitres other than 45° , only one mitre can be cut at a time. When cutting a 90° mitre, place a piece of wood behind moulding right up to blades, so that moulding does not splinter.

The tilt handles clamping fences are adjustable so that you can place them in the position most convenient to you; just lift and turn.

DESCRIPTION OF THE FUNCTIONS OF THE MACHINE

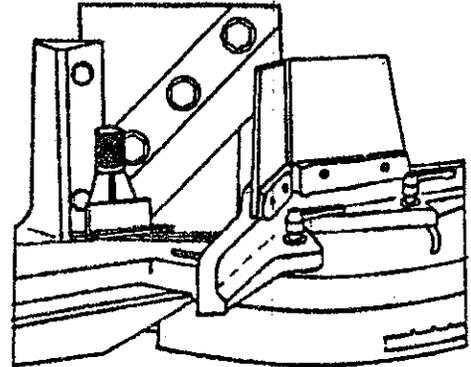
Adjustment of rebate supports:

The rebate supports support mouldings with rebate and prevent the rebate from splintering. They support workpiece until it has been cut through.

Before adjusting rebate supports, always adjust height of knife block so that blades are placed lower than the adjusting nut on rebate support. Then adjust rebate supports by means of knurled nuts. Make sure height of rebate supports is right:

- if too low rebate may splinter:
- if too high rebate supports may bend and damage blades.

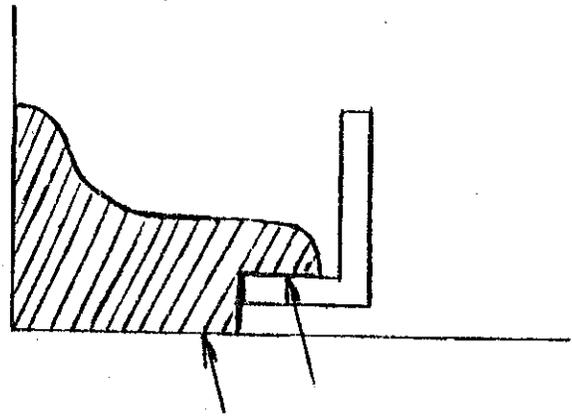
Rebate supports are adjustable towards or away from blades by loosening screw and then tapping them slightly in the desired direction.



When cutting wide mouldings without rebate, remove rebate supports when knife block has been taken to rear position by means of spring arm (no. 0037).

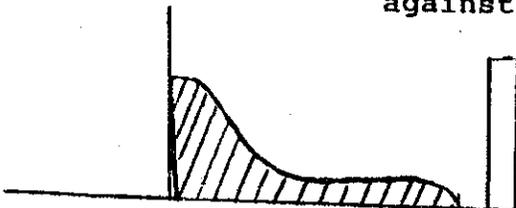
Remember to clean rebate supports frequently.

Drawing I: Adjustment correct.



Drawing II: Adjustment not correct:

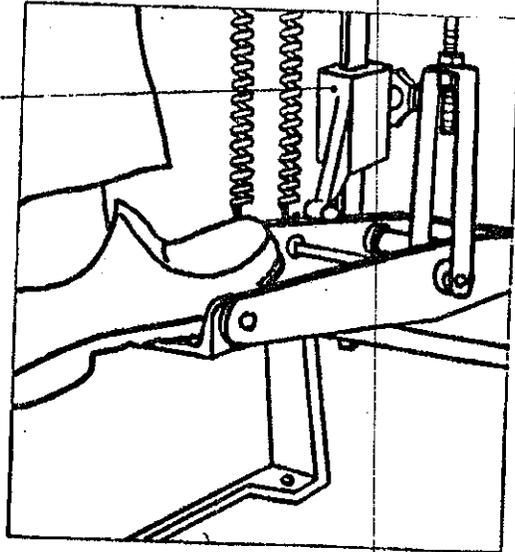
The rebate support cannot support the moulding when cutting - rebate support will be bent against blades and blades will become blunt.



Adjustment of knife block and foot pedal:

Adjust height of knife block and foot pedal by means of stop block (no. 0018). Press foot pedal to the height desired, let stop block drop down and tighten.

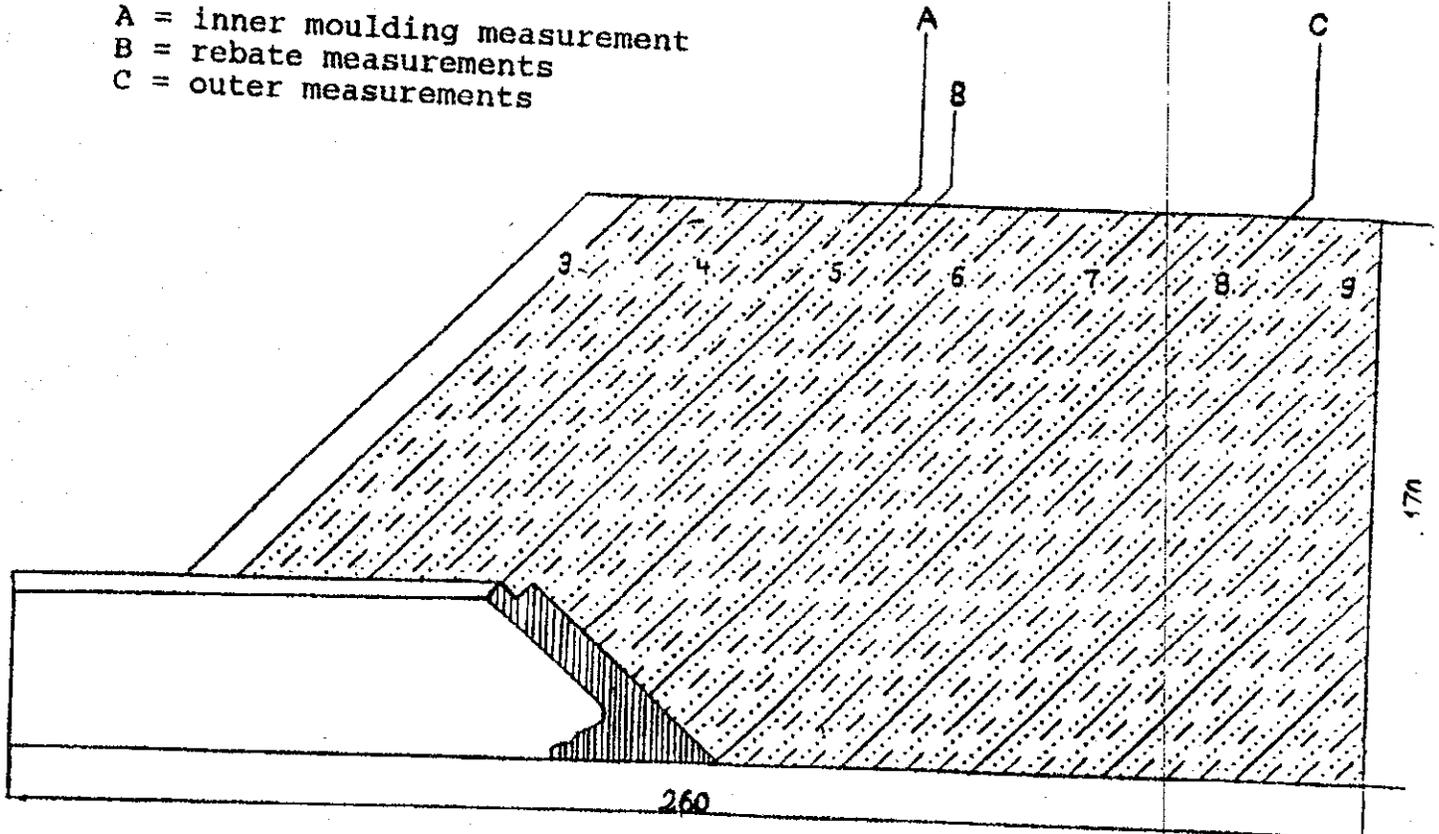
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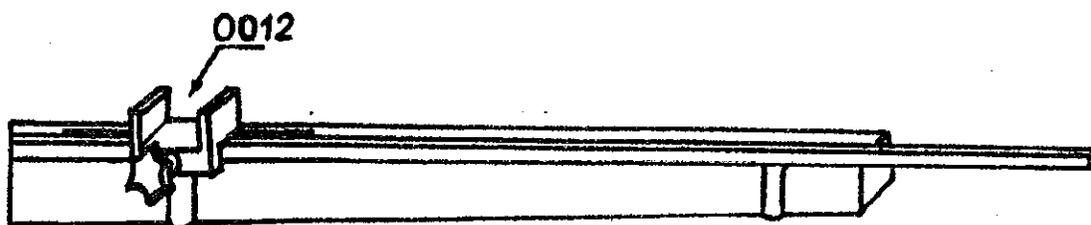
Adjustment of extension table:

Measuring scale with shilling strokes is of great help as inner measurements (A), rebate measurements (B) and outer measurements (C) are easily, fast and directly readable. Measuring scale is made of stainless steel and consequently, it remains easily readable. Graduations as the following: 10 mm, 5 mm, 2½mm or 1", 1/2", 1/4", 1/8".

- A = inner moulding measurement
- B = rebate measurements
- C = outer measurements

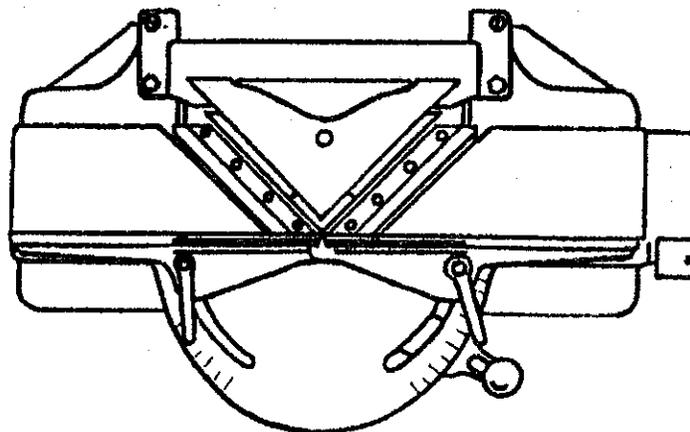


When adjusting, take moulding to the measure desired. Hold moulding, place slide stop (no. 0012) against it and tighten.



CUTTING OF MOULDING

By means of spring arm (no. 0037) knife block can be moved forward and backwards. When cutting wide mouldings, take knife block to rear position and cut moulding gradually. The hardness and thickness of the wood determine number of cuts necessary. To obtain a perfect cut the last cut (irrespective of moulding width) should be a plane cut corresponding to the last tooth of the tooth arc. At least two cuts are necessary.



When cutting mouldings with large grooves it may be necessary to screw or glue a profile on to fences.

As blades become blunt right angle can be adjusted by moving left fence slightly away from blades. However, a perfect cut always requires sharp blades.

MAINTENANCESharpening of blades:

It is advisable always to have two sets of blades for the machine - one set fitted on machine and one spare set. Consequently, unnecessary operation stoppages are avoided when one set needs sharpening.

When sharpening blades, do only sharpen rear side of cutting edge. Do under no circumstances sharpen front side or tip as this will damage the blade.

Sharpen cutting edge in an angle of 30° .

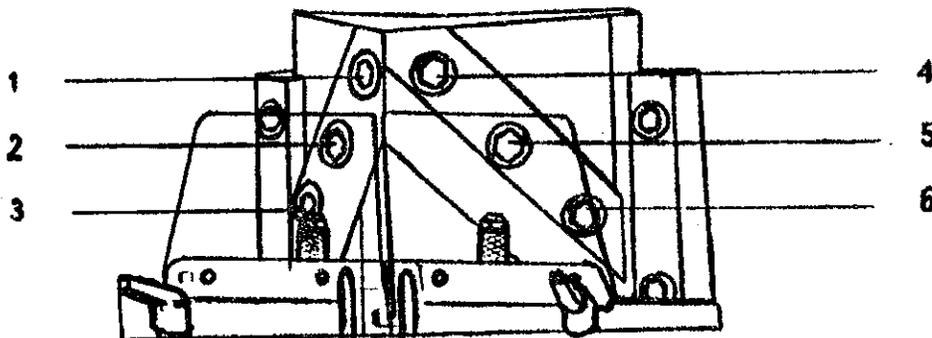
When whetting the front side of the blade, the whetstone must always be completely plane.

Even the slightest mistake in connection with sharpening and whetting will cause an inaccurate cut.

Replacement of blades:

The easiest way of mounting new blades is by replacing one blade at a time so that the new blade can be adjusted after the old blade at the opposite side.

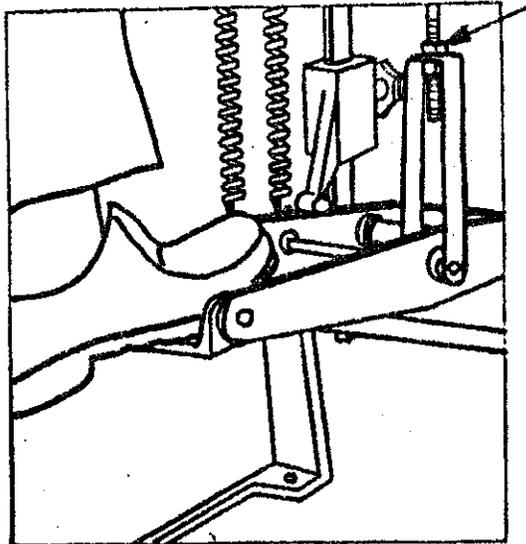
Blades and knife block must always be completely clean as even the slightest foreign particle between blade and knife block could result in blade pressing too hard against blades below.



Replace blades by loosening screws 1, 2 and 3. Replace blade with new blade and place it in machine by means of screws 1 and 3. Press blades together at the end with the one hand. Blades must meet exactly at tip and have exactly the same length. Then tighten screws 1 and 3. Loosen screws 4, 5 and 6 and apply the same procedure when replacing the other blade. Finally screw up screws 2 and 5.

Adjustment of tie rod:

After repeated sharpenings blades will gradually become slightly smaller and will not be able to cut the moulding. To remedy this, adjust the position of the knife block in proportion to the foot pedal.

FAULT LOCATIONFAULT

Machine does not cut mouldings completely through.

Blade does not cut completely through at the fence.

Rebates splinter.

The cut is not perfect.

The mitre is not 45° .

CAUSE

Blades have become too short after repeated sharpenings. Adjust by means of tie rod (no. 0055).

Splinters are stuck at the under blade.

Rebate supports not correctly adjusted.

- 1) Two cuts (last plane cut) have not been made.
- 2) Defective blades. Replacement or sharpening necessary.

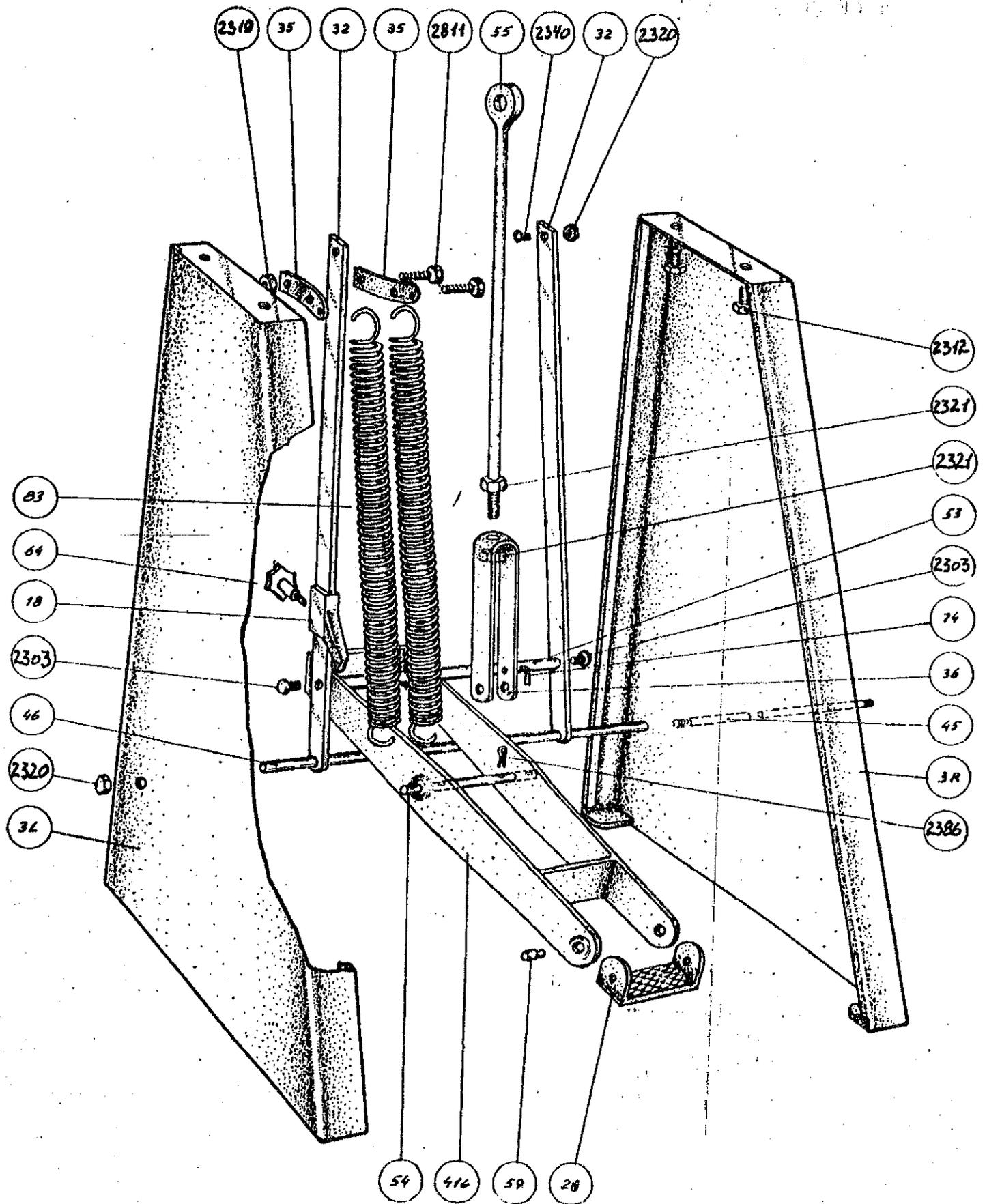
Fences not adjusted correctly. Adjust left fence. As blades become blunt move left fence away from blades.

ACCESSORIES

JYDEN mitre guillotines/choppers are delivered in a standard version. Various optional equipment is available which can either be mounted by us before delivery or after delivery ("do-it-yourself") according to customer's requirement. JYDEN's accessoires are listed below. If you have a special requirement which is not listed in our programme, we would be happy to try to help you to find a solution. Please contact your supplier or us directly.

Optional equipment:

- a) Right-hand extension table with measuring scale:
each extension is 0.5 m
and the complete extension
is extensible up to 2.5 m.
- b) Supporting leg for extension table.
- c) Left-hand extension table (without measuring scale): each
800 mm
1 = 1.0 m **)
2 = 1.8 m **)
- 221-4123 Cathy
366-8428 Mary Montesson*
- **) measured from blades.
- d) Extra high fences: 115 mm (4 5/8").
-  e) Extra high rebate supports: removable magnet blocks can
be delivered in heights up to
25 mm (1").
- f) Automatic knife block mover: automatic forward- and back-
wards moving of knife block
when cutting mouldings of up
to 40 mm.
- g) Fixed rebate holders: holding rebate supports in the same
distance from fences during cutting.
- h) Rebate supports
- i) Air installation system: The air kit can be mounted to all
foot operated JYDEN and DAN-CLIP
machines.
- j) Combined screen safety guard and dust bin
- k) Dust slide



LIST OF SPARE PARTS

<u>No.:</u>	<u>Part</u>
0003	Sheet legs
0004	Knife arm
0005	Knife block
0006	Frame
0007	Fence (right)
0008	Fence (left)
0009	Guide for knife block (left)
0010	Guide for knife block (right)
0011	Guide bar
0012	Slide stop
0013	Swivel arm
0014	Rabbit support (left)
0015	Rabbit support (right)
0416	Foot thread
0018	Stop block
0022	High fence (left)
0023	High fence (right)
0024	Extension, 40"/100"
0025	Extension, 20"/50"
0026	Alu pedal
0027	Washer
0028	Leg support
0031	Under knives
0032	Support guide
0033	Tooth arc
0035	Spring attachment
0036	Bow
0037	Spring arm
0038	Joint
0039	Bar for rabbit supports
0040	Angel for rabbit supports
0041	Brace piping
0042	Rail for table, 20"/50"
0043	Rail for table, 40"/100"
0044	Slide bar
0045	Distance bolt
0046	Distance tube
0047	Ring for distance tube
0053	Axle for foot thread, 22 mm
0054	Axle for foot thread, $\frac{1}{2}$ "
0055	Tie rod
0056	Axle for tie-joint
0057	Pin for fence
0059	Pin for pedal
0060	Pin for ball
0061	Pin for swivel arm
0062	Bush for swivel arm

0063 Washer for swivel arm
0064 Hand wheel
0069 High nut
0070 Low nut
0076 Screw for upper blades
0077 Screw for under knives
0078 Spring for slide stop
0082 Upper knives (blades)
0083 Spring
0084 Bakelite ball
0086 Protective shields, plexi, set
0086A Protective shields, set, high fence
0090 Pin for high fence
0093 Tilt handle

