J.P. "MATCHLESS"

INSTRUCTIONS TO USER

SPARE PARTS LIST

W1-1	Side Frame Right Hand
W1-2	Side Frame Left Hand
W1-3	Knife Frame Tie Bar
W1-4	Front Tie Bar
W1-5	Bearing Cover
W1-6	Ball Race
W1-7	Grass Box Studs
W1-8	Deflector Plate Studs
W1-9	Handlebar Pivots
W1-10	Knife Frame Tie Bar Washer
W1-13	Deflector Plate
W1-13B	Deflector Plate Knurled Nut
W1-14A	Handle Bar Right Hand
W1-14B	Handle Bar Left Hand
W1-15A	Catch Plate Right Hand
W1-15B	Catch Plate Left Hand
W1-15C	Catchplate Rivet Washer
W1-15D	Catchplate Rivet Washer
W1-16	Handle Bar Clip Top
W1-17	Handle Bar Clip Bottom
W1-18	Handle Bar Clip Bolt
W1-19	Handle Grip Rubber
W2-1A	Side Wheel Right Hand
W2-1B	Side Wheel Left Hand
W2-1C	Annular Gear
W2-1D	Set Screw
W2-1E	Sealing Rings
W2-2	Oilite Bushes
W2-3	Stub Axles
W2-4A	Stub Axle Nut
W2-5W	Stub Axle Washer 3/16" thick
W2-6W	Stub Axle Washer 3/32" thick
W3-1	Cutter Assembly
W3-3	Pawl
W3-4	Clutch Pinion Right Hand
W3-5	Clutch Pinion Left Hand
W4-1	Ledger Blade
W4-2	Ledger Blade Screw
W4-3	Knife Frame
W4-4	Ledger Blade Holder
W4-5	Pivot Shoe
W4-6	Locking Bolt
W4-7	Eccentric Adjuster
W4-8	Adjusting Handle
W4-9	Adjusting Knob
W4-10	Carrier Stud Short
W4-11	Carrier Stud Long
W4-14	Eccentric Shoe
W4-15	Eccentric Hand Wheel
W4-18	Spacing Collar
W5-1	Front Roller Wood
W5-2	Front Axle Shaft
W5-3	Front Axle Spacer Tubes
W5-4	Front Axle Distance Tubes
W5-5W	Front Axle Washers
W5-6A	Front Axle Arm
W5-7A	Front Axle Crank Arm
W5-9	Hand Wheel
W5-10	Front Roller Oilite Bushes
W5-11	End Caps
W5-12	Felt Washers
W6-0	Grass Box Complete
250-SW	¼" Spring Washer
312-NF	5/16" B.S.F. Nut
312SW	5/16" Spring Washer
312-W	Plain Washer

INSTRUCTIONS TO USER

LUBRICATION.

Once or twice, during the season, the side track wheels should be removed from the spindle for cleaning and lubrication of the internal gear and the small driving pinion. After cleaning, grease should be applied to the gears, and oil to the slot which engages the driving pawl passing through the cutter shaft, at the same time, apply oil on the spindle when replacing the track wheels. Frequent lubrication of the track wheel bearings is not necessary as they are self-lubricating.

The cutter ball bearings are enclosed and packed with grease on leaving the works and should require no further attention for some considerable time. These may be greased once or twice during the season, at the same time as the track wheels are removed.

The front rollers are fitted with self-lubricating bearings; each roller is also provided with supplementary lubrication contained inside the shell of the roller, and no further lubrication is required.

PREPARING FOR USE.

Setting Rotary Cutter to the Shear Blade.—The cutters should first be adjusted to make **just a light audible contact.** To do this, move the black-knobbed adjusting lever towards the rear of the machine, set the adjuster carefully, and not too far to make a harsh contact, as this will only cause unnecessary wear on the blades, and make the machine harder to push without obtaining any better cutting results.

Adjusting for close to medium cutting.—Adjustment is made by unscrewing the front roller handwheel and setting the adjuster in position along the traverse slot. The adjusting bracket should not be set back too low, particularly when mowing the lawn at the early part of the season. For ordinary cutting, the front rollers should never be set in the lowest position, unless the ground is firm and level.

HANDLE BARS.

These adjust to a higher or lower position by slackening the 2 nuts on each of the adjusting slots at the bottom of the handlebars. Tighten the nuts securely after adjustment.

FIXING THE GRASSBOX.

The grassbox should be attached by simultaneously engaging the small stud and the front cross bar, with the two slots in the grassbox wings.

MOWING.

When mowing, **push down in the direction of the track wheels,** and not on to the front rollers; this will facilitate ease of movement in the working of the machine.

CLEANING.

Upon completion of the mowing, clean the machine with a dry brush and rag, **never use water.** To preserve the edges of the rotary cutter and shear blade, these should be wiped with an oily rag.

Care should be exercised when cleaning the unit, to keep the fingers clear of the bottom shear blade and the rotary cutter blades.

CUTTER ADJUSTMENT.

The machine is set and inspected before despatch, to cut on each blade evenly from end to end, and should not require any attention, unless the machine has been subjected to shock through the cutters fouling an obstruction, causing the blades not to cut evenly from end to end, and any mis-alignment can be corrected by the rocker adjustment.

At the rear of the blade carrier will be seen three nuts; these should be slackened for about half a turn, then the brass knurled adjuster can be rotated. This action will raise or lower each end of the blade carrier, rocking or pivoting from the centre stud. With this adjustment, it will be readily seen that a perfect parallelism of the bottom blade with the rotary cutter can be achieved.

After adjustment, tighten the nuts securely (the centre one first) and then bring the rotary cutters into contact with the shear blade adjuster and test for parallelism by cutting paper strip.

The tension of the eccentric adjuster for bringing the blades into contact (operated by the adjusting lever) can be adjusted by the two screws which pass between the two split bearings on top of the knife frame carrier. After bringing the cutters into audible contact, the adjustment can be locked in position, if desired, by slightly tightening the screws, but usually it is good practice to have this adjustment set to give a reasonably tight, but moveable, tension to the eccentric adjuster, which is operated by the lever.

MOWING WITHOUT GRASSBOX.

Remove the Deflector Shield by unscrewing several turns the two knurled nuts at each end.