



**THE "PICK-A-BACK" LAWNMOWER**

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**INSTRUCTIONS TO USER**

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**The J.P. ENGINEERING COMPANY, LIMITED**  
*Manufacturers of J.P. Super Lawnmowers*  
**MEYNELL ROAD, LEICESTER, England**

## **AFTER SERVICE WITH THE “ MAXEES ”**

Mowers frequently suffer from the result of neglect and exposure during the winter months, and although J.P. Lawnmowers are a highly efficient engineering achievement, they naturally are susceptible to such neglect. At this time of the year our exceptional service facilities are at the disposal of all J.P. users.

At moderate cost we dismantle, clean, overhaul and re-enamel the machine, re-assemble, lubricate and thoroughly test before returning it. If desired, we will, after overhaul, store the mower without extra charge, returning it on a specified date in good time for the start of the cutting season.

J.P. dealers all over the country will, on request, obtain from us a free case in which they will pack and dispatch either the entire machine or simply the cutter unit; if a dealer is not locally available we will send a case direct.

# FOREWORD

J.P. SUPER LAWNMOWERS have already established a high reputation for their efficiency and reliability.

That reputation is further enhanced by the J.P. MAXEES Machine, which is the result of months of preliminary planning and experiment.

The object of such endeavours has been achieved by the production of a machine designed to give simple and prompt maintenance facility, efficient cutting service and simple adjustment, with a delightful ease of movement. With proper care and attention to these instructions its efficiency can be maintained for many years.

*British and Foreign Patents Pending.*

**The J.P. ENGINEERING COMPANY, LIMITED**  
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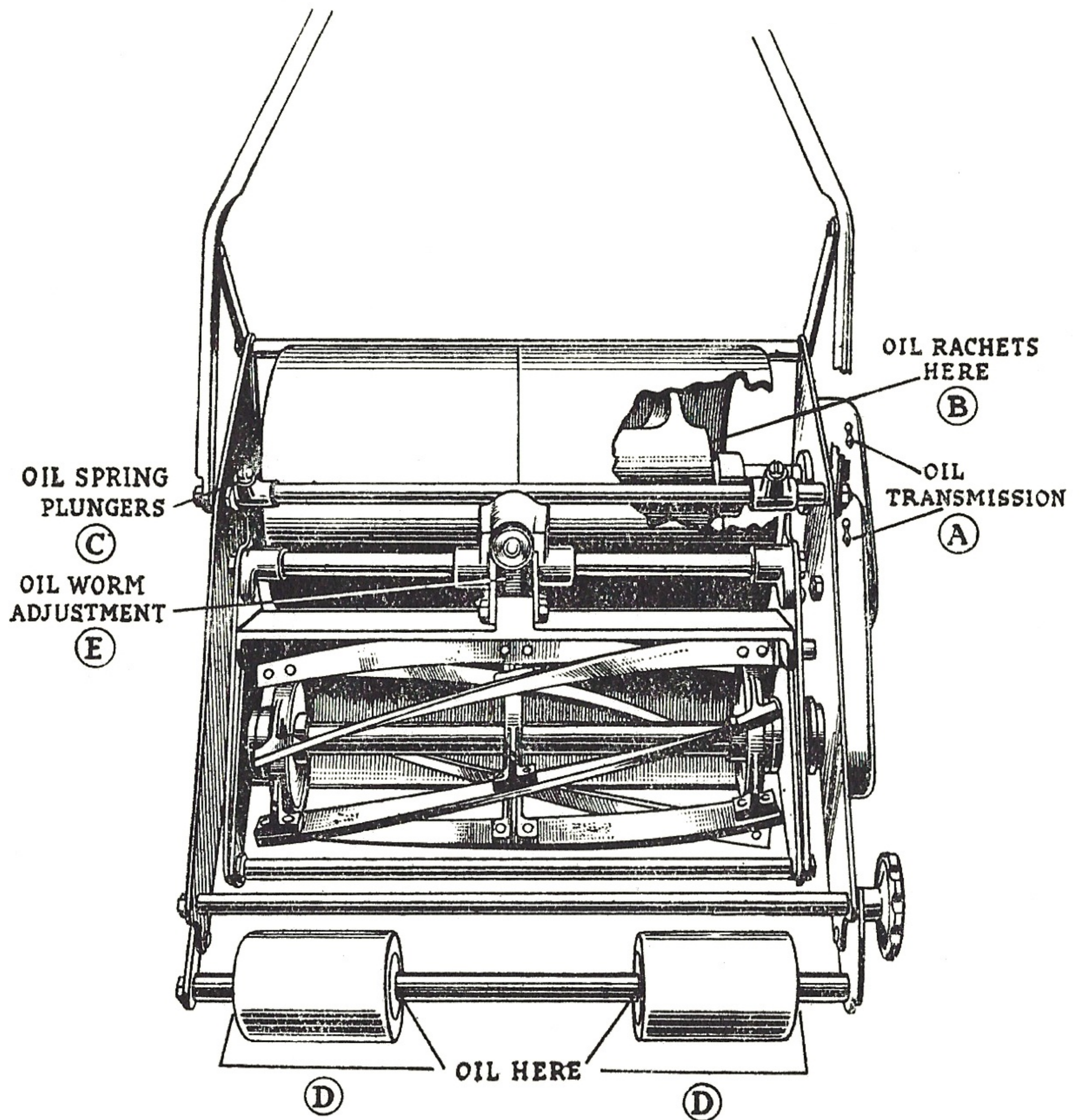


Fig. 1.

**THE J.P. MAXEES LAWNMOWER.**

# **INSTRUCTIONS**

**Section I.**  
**LUBRICATION.**

The following oiling points on the machine should receive frequent attention (See Fig. 1):—

- (A) The Chain Transmission through the two oil covers provided on the top of the transmission side cover.
- (B) The Rear Axle Drum Plungers, seen inside the boss of both the drum hub centre castings.
- (C) Occasionally raise both spring retaining plungers on the cross-bar, and insert oil in the plunger housings.
- (D) Oil the front axle and rollers by applying at the space provided between each roller. To assist the feed of oil, tip the machine on each side when oiling.
- (E) The central gear and adjusting worm.
- (F) The main frame Ball Races can be lubricated by removing the large transmission cover and the small rear axle domed cover on the opposite side frame.
- (G) The Rotary Cutter Ball Races can be lubricated by first removing the unit, and oiling the coupling end through the coupling holes; and the opposite side by standing the unit on end, and applying the oil to the centre spindle to feed into the bearing.

Note:—Always use a good grade of thin machine oil. The J.P. quality, specially refined, is obtainable from all stockists in pint tins at 1/3d., or direct from us.

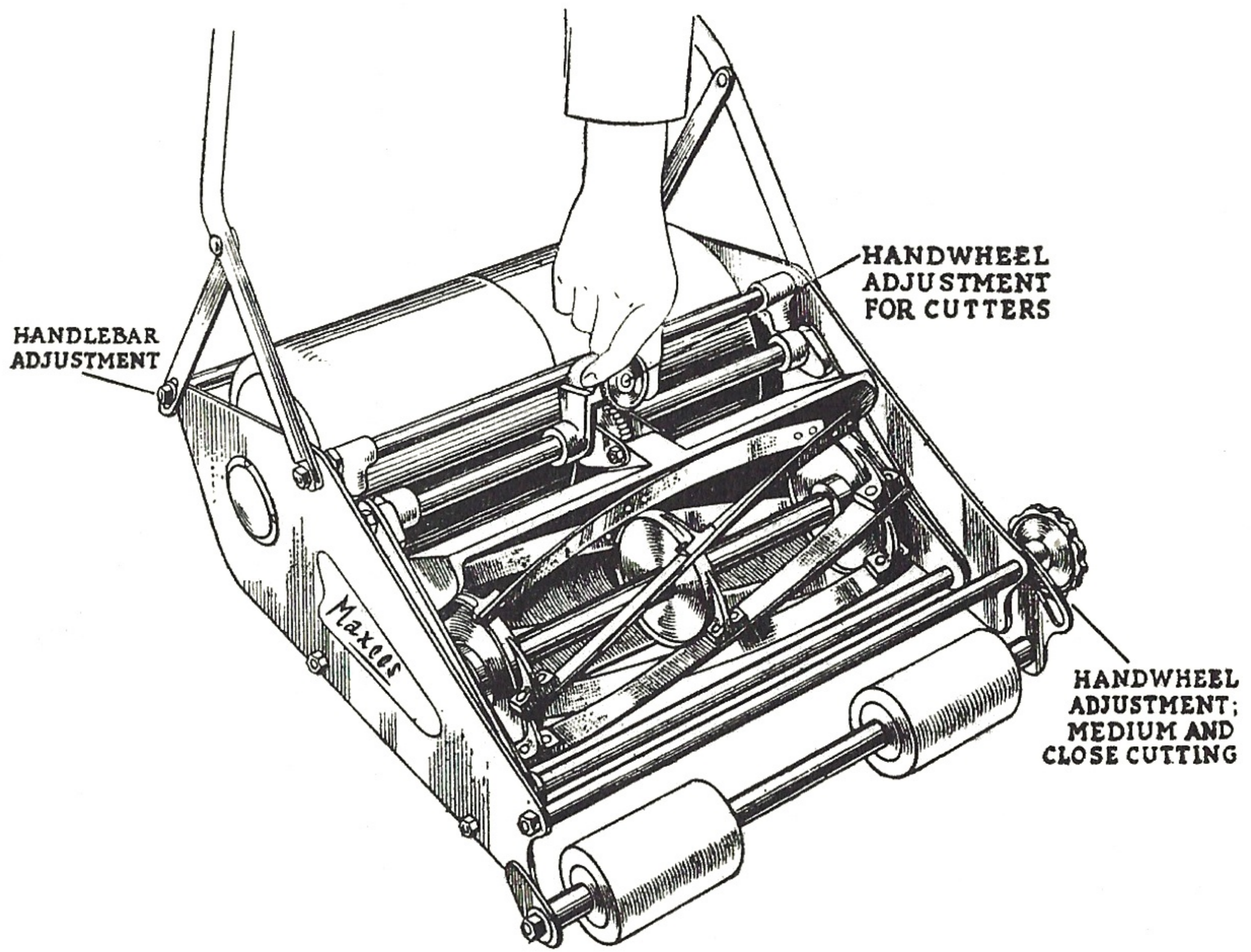


Fig. 2.

## Section 2.

### **SETTING THE ROTARY CUTTER TO THE SHEAR BLADE**

The Rotary Cutter is carefully ground and set to the bottom shear blade, and adjustment is made to bring the cutters into light audible contact by turning the centre adjusting handwheel in a clockwise direction. (See Fig. 2). *Do not turn the handwheel too far to make a harsh contact.* This will cause wear on the blades, and make the machine harder to push without obtaining any better cutting results.

## Section 3.

### **ADJUSTING FOR CLOSE TO MEDIUM CUTTING**

This adjustment is made by the front axle handwheel. (See Fig. 2). By unscrewing the handwheel one turn, adjustment can be made to any position on the traversed slot.

The adjusting bracket should never be set back when dealing with a heavy crop, or cutting lawns for the first time in the season. Latterly, as the ground gets harder, and the growth more even, the adjustment may be set further back, and the machine will cut to a very close degree.

For ordinary cutting, the front rollers should never be set in the lowest position unless the ground is very hard and absolutely level.

After making the adjustment be careful to re-tighten the handwheel firmly to prevent the adjustment from moving.

## Section 4.

### **HANDLEBARS.**

These adjust to a higher or lower position by slackening the rear tie bar retaining nuts, situated on the slot of the handlebar supporting strut (see Fig. 2), taking care to tighten the nuts securely after adjustment.

## Section 5.

### FIXING THE GRASSBOX.

To fix the grassbox into position, first insert the two metal wings between the chassis side frame. The box can then be lowered, with the bottom slot of the wing engaging in each of the unit supporting pegs, and the upper slot resting on the front cross tie bar, as shown in Fig. 3.

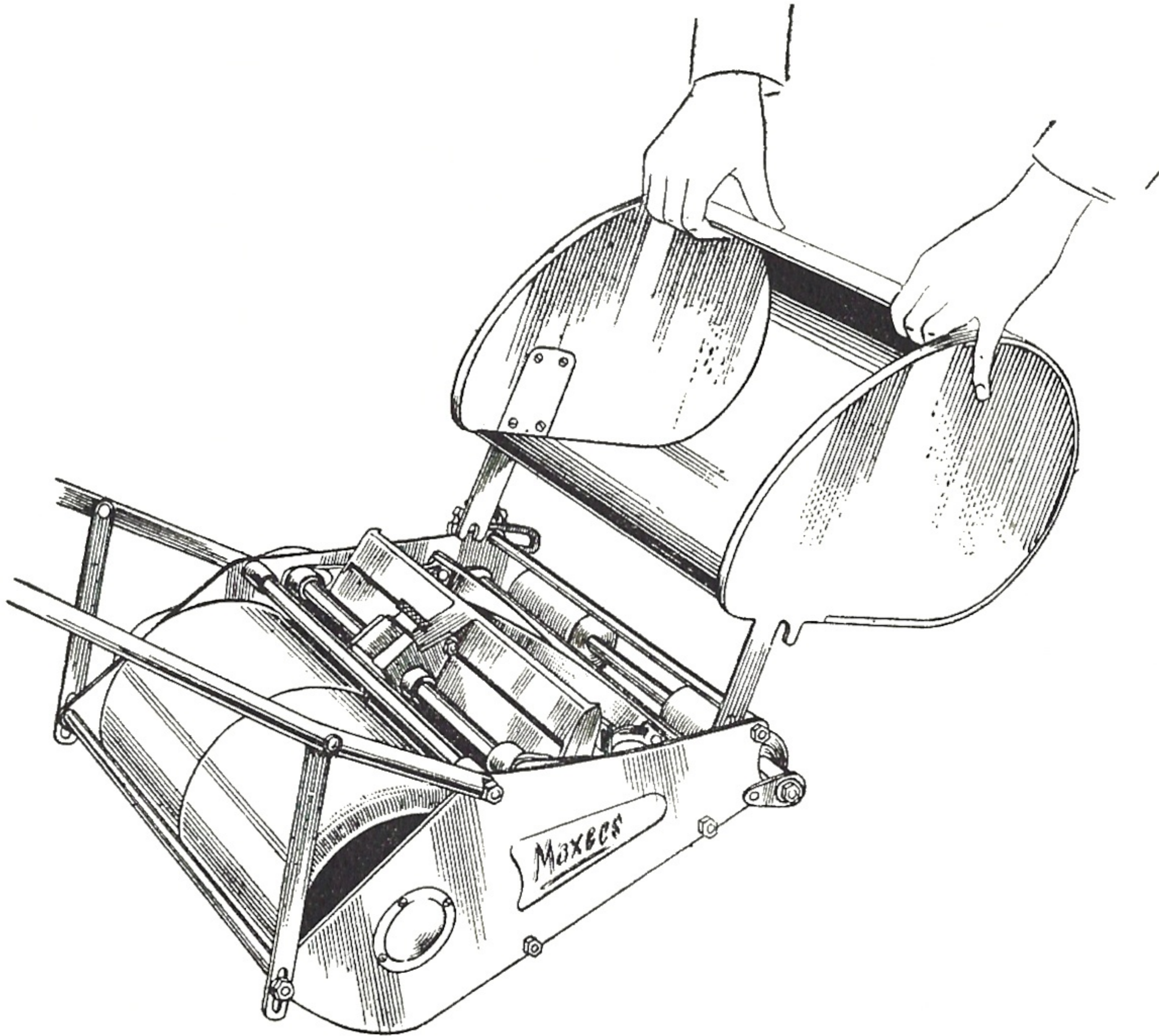


Fig. 3.

## Section 6.

### CLEANING AND REMOVING CUTTER UNIT

Upon completion of the mowing, clean off all clinging grass or dirt and store in a dry tool shed. *Never use water.*

To clean the machine thoroughly, the cutter unit can be easily detached by first raising the spring plungers, situated on the middle top cross-bar, then moving the unit to the left clear of the engaging coupling. The unit can now be lifted clear out of the chassis. (See Fig. 4). *Care should be exercised when cleaning the unit to keep the fingers clear of the bottom shear blade and the rotary cutter blades.*

*Handle the unit carefully, and do not bump or subject it to shock, otherwise the parallel cutting adjustment may be disturbed.*



## Section 7.

### REPLACING THE CUTTER UNIT.

First slide the plunger brackets inwards along the cross-bar, and rest them on the drums, clear to prevent obstruction. Place the unit between the side frames, towards the left, engaging the front slot of the unit plates on the two front supporting pegs, then lower the unit down until the rear slots rest on the cross-bar; rotate

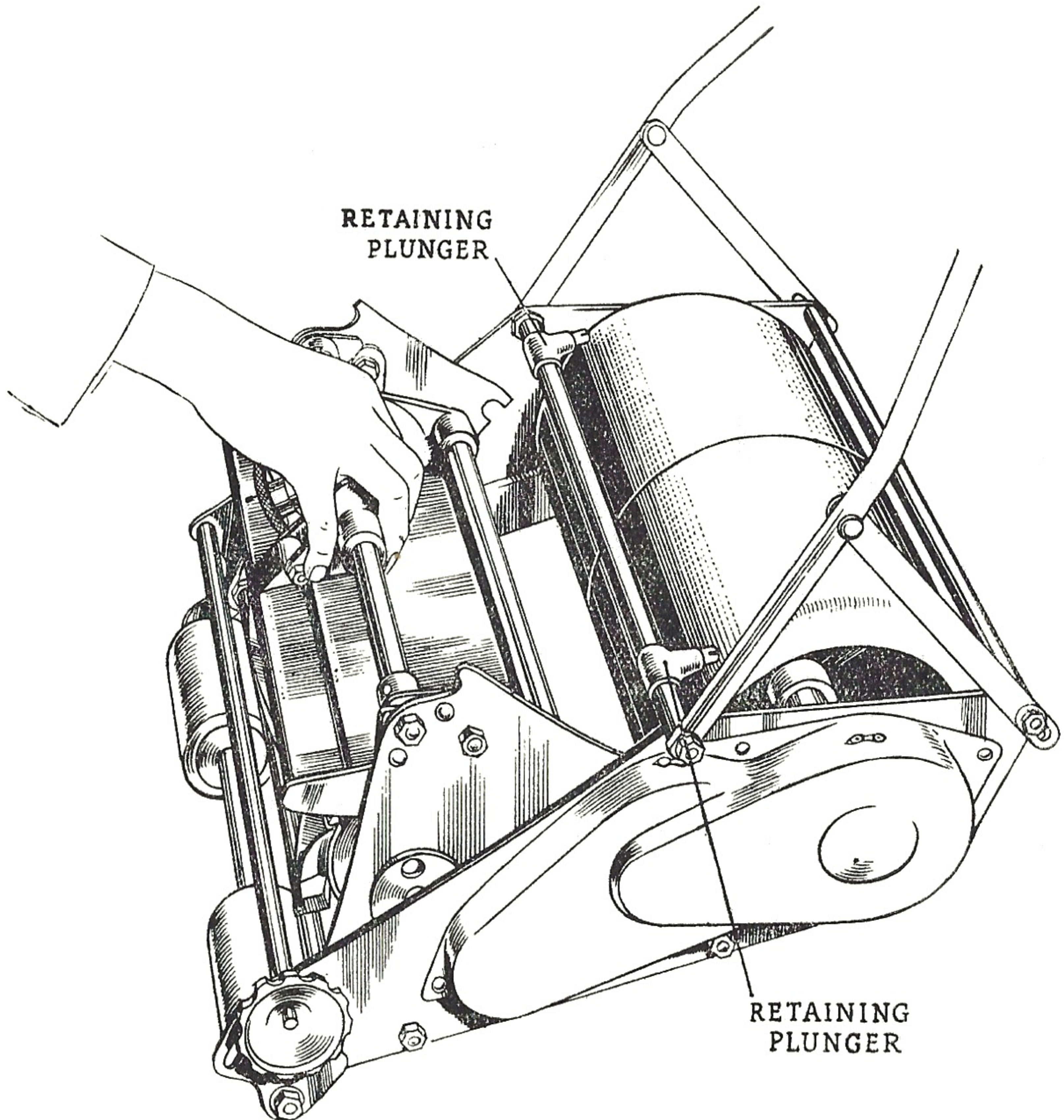


Fig. 4.

the cutter until the holes in the driving disc are opposite the coupling driving studs, then slide the unit towards the right, engaging the coupling, as far as it will go.

The two retaining plungers can now be lowered and sprung into position, with the slot of the plunger engaging the unit side plates.

## Section 8.

### PARALLELISM OF CUTTERS.

The machine is set and inspected before dispatch to cut equally along the whole length of the rotary cutter when the contact adjustment with the bottom blade is made (as explained in Section 2, page 5), and no attention to correct any mis-alignment should be necessary unless the unit has been dismantled or subjected to excessive shock. If, however, through fouling an obstruction, the blades do not cut evenly along the whole length of the rotary cutter, this can be easily corrected by the following procedure:

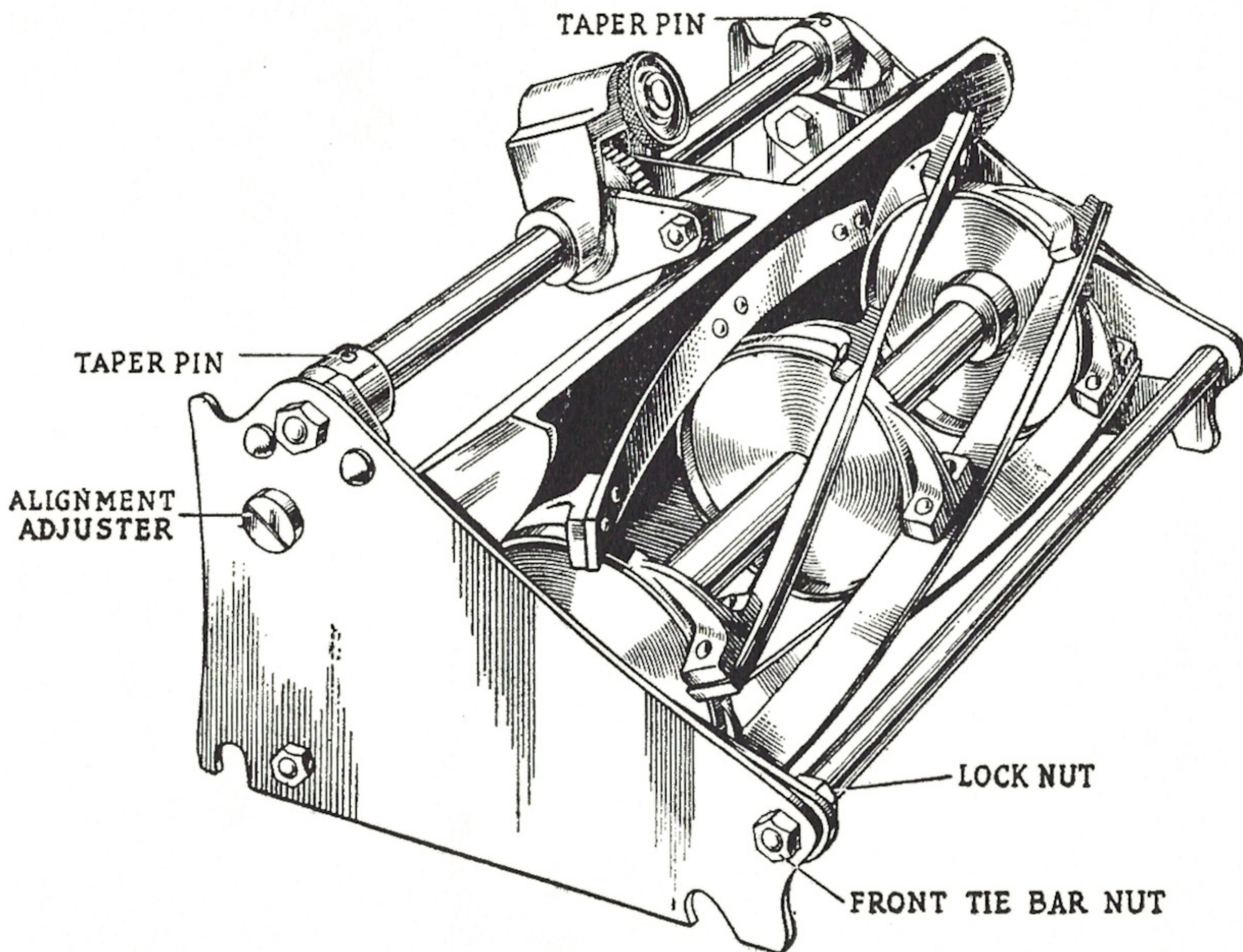


Fig. 5.

First remove the cutter unit (see directions in Section 6, page 6), and unscrew about half a turn the lock-nut shown in Fig. 4. On the plain side unit plate will be seen a slotted round-head alignment adjuster (see Fig. 5). Unscrew one turn the lock-nut on the inside of the adjuster, and insert a coin into the slotted head; rotate slightly, until the bottom blade is set parallel with the rotary cutter, testing for parallel cutting adjustment with a strip of paper.

*After adjusting, care should be taken to re-lock the adjustment, and also the front lock-nut.*

## WHEN ORDERING SPARES

We cannot assume responsibility for the quality of spare part components supplied for J.P. Maxees machines if these are not of genuine J.P. manufacture. It is, therefore, in the interest of all J.P. users to demand this guarantee when ordering spares.

The J.P. works are equipped with specialised machinery to ensure that a high precision standard of workmanship is always maintained. Only the finest materials available are used in the manufacture of J.P. spares; and these are subjected to careful inspection before dispatch.

### THE TWO-IN-ONE

One of the advantages of the Maxees machine is that it need never be out of action. When the cutter unit is removed for overhaul and cleaning, a new cutter unit can be inserted immediately. Two units in regular use in one Maxees machine give all the advantages of two machines with unlimited length of life.

Spare Cutter Unit, complete ... 47/6

