

The Acre Rotary Cultivator



The Acre Rotary Cultivator, manufactured by Messrs. Acres (Willington) Ltd., of Willington, Derby, is one of the latest designs of this increasingly popular type of machine to appear on the market.

The Acre is the result of long and continuous research and is an efficient machine which combines simplicity of operation with manoeuvrability and ease of handling. The minimum of manual effort is necessary to control the machine, which can be operated in confined spaces. In addition to rotary cultivating, however, the Acre will dig, cultivate and ridge in one operation. It will make a seedbed, turn-in manure and green crops, hoe between row-crops or produce potting soil.

The power unit is a 3 h.p., four-stroke, single-cylinder, air-cooled Villiers engine, and transmission is by Renold chain and sprockets. The traction wheels are driven through independent positive dog clutches, operated by levers on the control bar at the hand grip position. Extremely simple turning in the width of the machine is

effected by disengaging the left clutch for a left turn and the right clutch for a right turn. The control bar is adjustable in height to suit the operator, and a further desirable feature is the fact that it can be moved to either side: thus the operator need not tread down the work that has been done. Tines can be removed and changed in a matter of seconds by releasing two set screws. The only tool required is a spanner, which is provided with the machine.

A ridging body with adjustable wings is provided, enabling digging and ridging to be performed in one operation. As this leaves a larger area of soil exposed to the weather than by ordinary digging and ploughing this piece of equipment is ideal for autumn work. The ridging body is also useful when planting and will "split back" the ridges. The depth shoe gives positive control of the depth at which the machine is required to work, and it can be adjusted to any position by one control knob.



The soil-shredder is a valuable attachment for nurserymen and those who use potting soil. Rough material is fed into the side and the fine soil is delivered through a slot. There are no bars or other obstructions to impede delivery. Varying degrees of soil fineness can be obtained by the adjustment provided. Potting soil is produced in a minimum of time, and material which is unsuitable for handling by the normal manual method can be shredded down by this attachment.