

TARPEN HOE-TILLER & SAW



HOE-TILLER & SAW

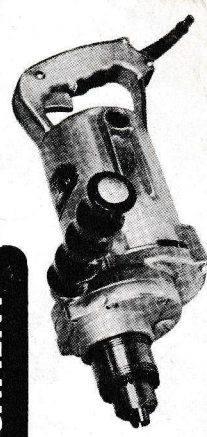
INTERCHANGEABLE



THE TARPEN PORTABLE ELECTRIC CHAIN SAW

THE TARPEN PORTABLE ELECTRIC HOE-TILLER

DRILL CHUCK ATTACHMENT



SPECIFICATIONS

MOTOR UNIT (Hoe/Tiller, Saw and Drill)

- Frame:** Aluminium Alloy Diecastings.
- Motor:** 1/2 h.p. Universal D.C. or A.C. single phase up to 60 cycles. Voltages 105/115, 200/220, 230/250 and other special voltages. Fitted TV suppressors.
- Switch:** Double-pole, bakelite enclosed momentary contact.
- Bearings:** High grade ball bearings.

TARPEN HOE/TILLER

- Blades:** High carbon steel with overload slipping drive. Blades 6 in. dia. three teeth, giving total of twelve cutting edges. Speed 250 r.p.m. Overall width tilled—5 in.

- Consumption:** On full load approx. 450 watts.
- Size overall:** 4 ft. 5 in. long shaft. Weight: 17 lbs. *2 ft. 10 in. short shaft. Weight: 16 1/2 lbs.

* For use on raised soil beds in greenhouses.

TARPENSAW

- Gears:** Sturdy bevel gears take the drive to the heat-treated saw chain sprocket.
- Lubrication:** Grease packed gears, oil feed to saw chain.
- Saw Chain:** Patented 'Chipper' tooth for free cutting. Readily sharpened.
- Guide Bar:** Finest grade steel correctly tempered. Reversible bar gives double life. Overall projection of chain from housing 14 in.
- Weight:** Weight of complete machine with attachment fitted 14 1/2 lbs. Attachment only 5 1/2 lbs.
- Size overall:** Overall length 2 ft. 8 in. Guide bar plus chain 4 1/2 in. Overall width 8 1/2 in. Max. cutting length 12 in. Includes handle. Overall depth 8 in. Average recommended cut 7 to 10 in.

TARPENDRILL

- Capacity:** 3/8 in. in steel. Supplied complete with key.

DEEP LITTER TURNING ATTACHMENT

For use with Tarpen Hoe/Tiller and Hoe/Tiller attachment

TARPEN ENGINEERING CO. LTD.
IXWORTH HOUSE, IXWORTH PLACE, LONDON, S.W.3

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TARPEN CHAIN SAW

Many Estate Managers, Orchard and Garden owners have previously found it uneconomical to purchase a Chain Saw. The alternative has been long hours of tedious hand sawing or the hire of a large machine.

The electric TARPENSAW is the solution of their sawing problems.

This portable electric chain saw is so powerful that it will make easy work of all sawing and cutting jobs. It is ideal for cutting cord wood, felling trees, cutting timber and sleepers.

The saw is capable of cutting through wood or trees up to 10 in. thick or even more, yet it weighs only 14½ lbs. It is therefore extremely easy to handle in awkward positions such as from the top of a ladder or up in a tree.

The saw chain mechanism is an attachment to a Tarpen electric motor. It is secured to the motor unit by four screws and is therefore simple to remove when converting to a Tarpen Hoe/Tiller or fitting a chuck for drilling.



TIMBER!

Sixty seconds' cutting and it's down

A log, nine inches in diameter, every minute



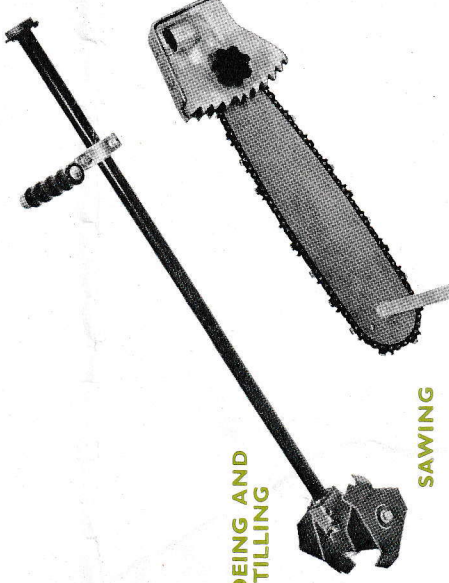
AN ELECTRIC DRILL TOO!

The Hoe/Tiller or Chain Saw attachment can, in either case, be removed from the motor unit and a drill chuck fitted instead. The capacity of the chuck is 3/8 in. and the motor can therefore be employed in a wide variety of drilling operations.

CONVERSION

The Tarpen Hoe/Tiller, Tarpensaw or drill incorporate an identical motor unit. It is therefore possible to convert each machine to any of the others with ease.

MOTOR UNIT



HOEING AND TILLING

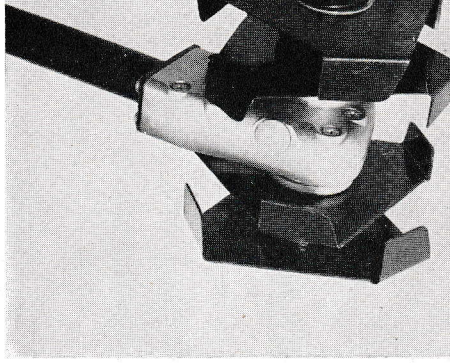
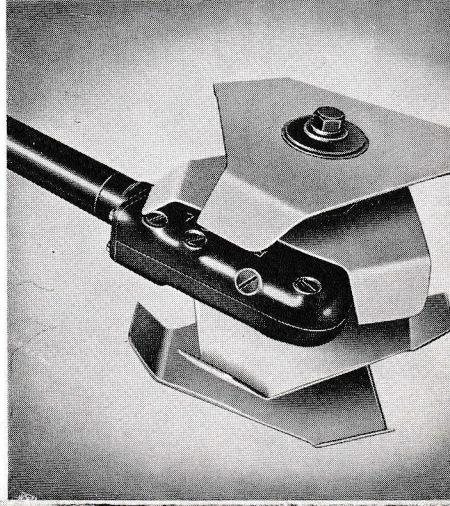
SAWING

DRILLING

CLOSE-UPS OF

TILLER HEAD

HOE HEAD



ELECTRICITY SUPPLY

These machines can be operated in three alternative ways.

- (1) Direct from the mains, preferably via a transformer.
- (2) From a portable generating set.
- (3) From a dynamo driven by the engine of other power operated machines.

MAINS OPERATION

These machines can be operated direct from the mains or via a transformer. A special transformer is available for converting the house mains to 110 volts. It is so designed that the operator of the tool is protected from the risk of an electric shock in excess of 55 volts, i.e. only half of the output voltage.

A dual purpose transformer is also available with two output tappings, one of 110 volts for operating the Hoe/Tiller or Saw and the other, 8 volts for soil warming. This transformer provides 4 watts per square foot over 180 square feet or 7 watts per square foot over 100 sq. ft.

The machines can be used at distances up to 150 yards from the nearest mains supply. The following extension cable specification, which refers to cable detailed in the Tarpen Price List, is advised:

Up to total length of 50 feet.....	medium cable.	
" "	100 feet.....	" "
" "	50 yards	" "
" "	150 yards	heavy cable.

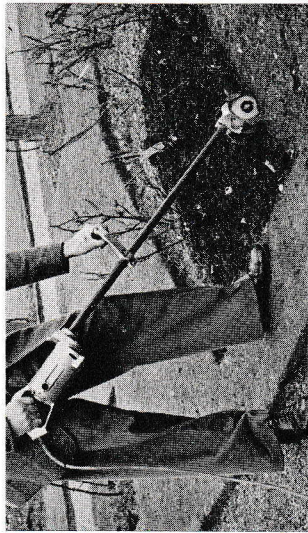
GENERATING SETS

Where no electricity supply is conveniently available the Saw, Hoe/Tiller or Drill may be operated from the standard 400-500 watt Tarpen generating set, or from a dynamo driven by the engine of any other power operated machine provided that the output is not less than 400 watts.

DYNAMOS OF OTHER MACHINES

Dynamos are now provided by most of the manufacturers of power operated machines for garden and agricultural use. It is important that the output of the dynamo be not less than 400 watts.

TARPEN HOE & TILLER



Gardeners have been waiting for a portable, power-driven tool that will cultivate the soil in all those places where it is impossible to operate a wheeled machine.

The Tarpen Hoe/Tiller does just this. It is a really powerful portable electric tool, but it is well-balanced and is therefore easy to use. It can till to a depth of at least 6 in., if desired, but, on the other hand, it may be used just to loosen the top inch of soil. It is very easy to control with great accuracy and is therefore ideal for use in herbaceous borders, in shrub borders, and in places where damage could easily be done to the roots of plants by any machine that penetrates too deeply.

The Tarpen Hoe/Tiller saves time and effort; it permits the garden-owner or the gardener to cover much more ground in a short time and, in many cases, enables its owner to undertake work he would not otherwise be able to do. Everyone knows that if we hoe when there are no weeds, there never will be any weeds. But with a large amount of ground under cultivation, this advice is not easy to carry out. With the Tarpen Hoe/Tiller, much ground can be covered quickly, and weed-free beds and borders and healthier crops result. It is also the ideal tool for working in top-dressings of compost or fertilizers.

(The above is a report of an horticultural technical expert)

