

SPECIFICATION

TARPENTILLER

- Frame:** Aluminium Alloy Diecastings.
- Motor:** $\frac{1}{2}$ 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 T.V. suppressors.
- Switch:** Double-pole, bakelite enclosed momentary contact.
- Bearings:** High grade ball bearings on motor, oil retaining bronze bearings on Tiller head.
- Gears:** Heat-treated steel helical, with heat-treated steel worm, and bronze wormwheel reduction gear in Tiller head.
- Tiller Head:** Fitted four high carbon steel blades with overload slipping drive. Blades 6 in. dia. three teeth. Gives total of twelve cutting edges. Overall width tilled—5 in. Speed 250 r.p.m.
- Consumption:** on full load approx. 450 watts.
- Size overall:** 4 ft. 5 in. long shaft. Weight: 17 lbs.
*2 ft. 10 in. short shaft. 16 $\frac{1}{2}$ lbs.

TARPENSAW ATTACHMENT

- Readily fitted to the Motor Unit after tiller head and shaft have been removed.
- Frame:** Aluminium Alloy Diecastings.
- Bearings:** High Grade Ball Bearings.
- 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.
- Width:** Guide bar plus chain 4 $\frac{1}{2}$ in.
Max. cutting length 12 in.
Average recommended cut 7 in.
- Dimensions:** Weight of complete machine with attachment fitted 14 $\frac{1}{2}$ lbs.
Attachment only 5 $\frac{1}{2}$ lbs.
- Overall length 2 ft. 8 in.
Overall width 8 $\frac{1}{2}$ in. includes handle
Overall depth 8 in.
- * For use on raised soil beds in greenhouses.
- Prices:** Tarpentiller £35
Tarpen Chain Saw attachment £17.10.0
Tarpen Chain Saw £36.15.0
Tarpentiller attachment £15.15.0



TARPENTILLER



**FOR DEEP TILLING
AND CULTIVATING OF
FLOWER BEDS, BORDERS ETC.**

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USES AND OPERATIONS

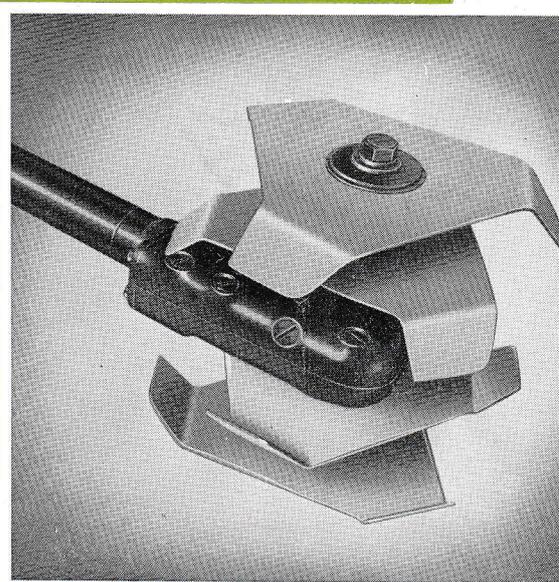
The Tarpentiller is well balanced and very powerful. It can till to a depth of at least 4 in., if desired. On the other hand, it may be used just to loosen the top inch of soil with equal ease. It is very easy to control with great accuracy and is therefore ideal for use in herbaceous borders, rose beds, in shrub borders and in places where damage could easily be done to the roots of plants by any machine which penetrated to too great a depth.

There are two principal ways of using the machine. As the tillers rotate away from the operator, the most natural way is to let the tillers rest on the soil and allow them to go forward just fast enough to give the desired depth of tilth. The other method is to place the tiller well forward and slowly draw it backwards. This method will cause the machine to till deeper but naturally has a tendency to draw the tilled earth towards the operator. This earth can easily be moved back into its original position with the side of the foot, or

it can be lightly raked over after hoeing. Whichever method is used, the machine produces a magnificent loose and very fine tilth.

CLOSE-UP OF TILLER HEAD

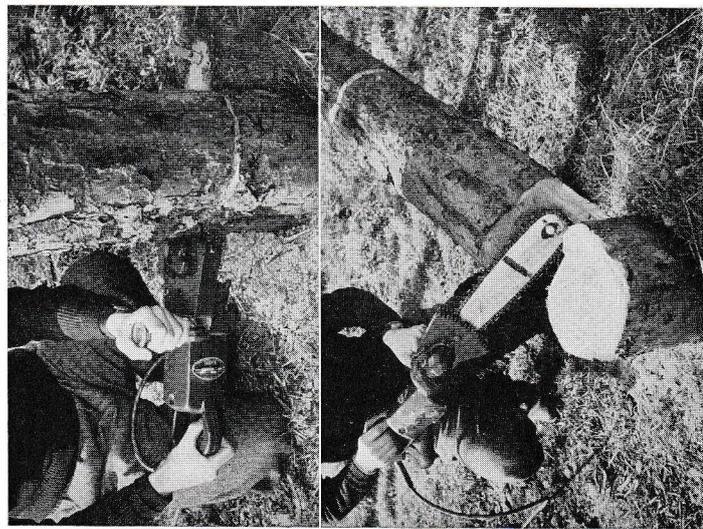
Each pair of blades is driven separately through automatic overload clutches to protect the mechanism against damage whenever stones or other obstructions are encountered.



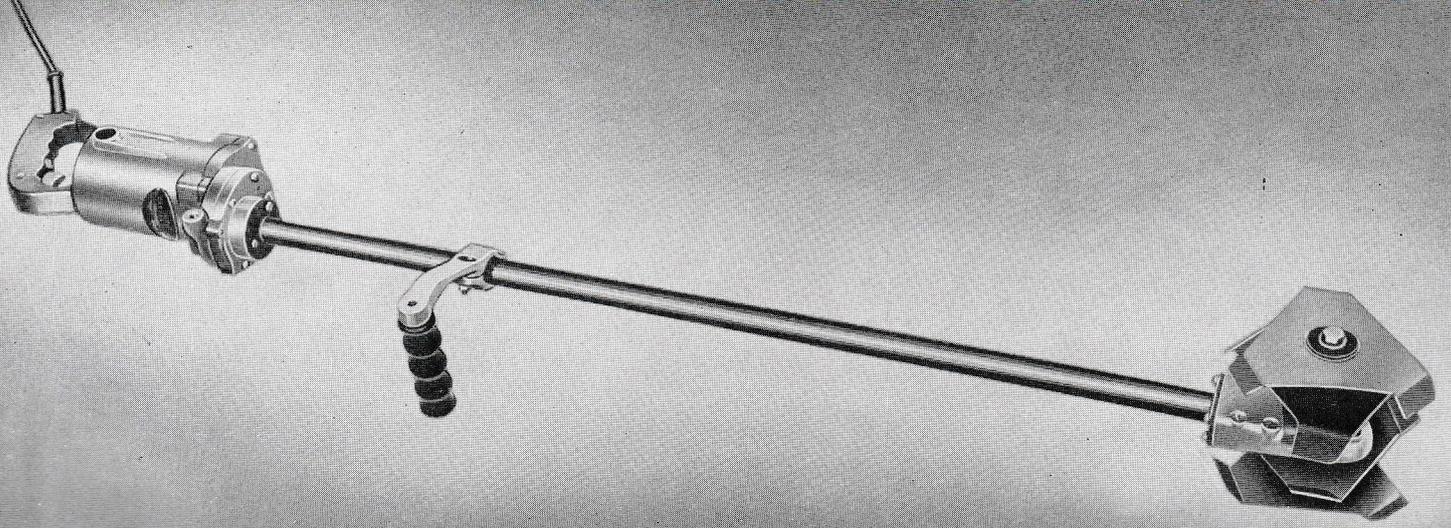
CHAIN SAW ATTACHMENT

A chain saw head can be substituted for the hoe shaft and head thus easily and quickly converting the machine into a light but very powerful saw for felling trees and cutting off branches. This picture shows the first stage in its use for cutting off the

branch of a tree, i.e. making a cut in the underside of the branch so that when a cut is made at the upper side of the branch, it will fall clear and so prevent damage to the tree or to the saw. The design of the chain saw itself is of the very latest pattern and is self-lubricated. The machine can, of course, be purchased as a complete saw or as a complete hoe. See price list overleaf.



The chain saw attachment will cut easily any tree up to 7 in. in girth, the one shown was actually 10 in. and the cut was completed in 7 minutes. In using this small chain saw, the proper technique of wedges is, of course, necessary to produce a clean cut and to prevent damage to the tool itself.



ELECTRICITY SUPPLY

This machine can be operated direct from the mains or via a transformer. A special transformer is available for converting the house mains to 110 volts, price **£11**.

There is also available a dual purpose transformer with two output tapings, one for 110 volts for operating the tiller 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. Price **£16**.

The Tarpentiller can be used at distances of up to 150 yards from the nearest mains supply. Cable specification, which refers to the cables listed in the Tarpen general price list, is as follows:

50 ft. medium with connectors	£2 5 0
100 ft. medium "	£3 10 0
50 yds. medium "	£4 15 0
100 yds. heavy "	£12 0 0

Generating Sets

Where no electricity supply is conveniently available, the Tarpentiller may be operated from the standard 400/500 watt generating set. Price **£60**.

The Tarpen saw will however need to be operated from the Tarpen 1 Kw Set. Price (110 volts) **£115**
(230 volts) **£125**