

than our share of difficult removals.

We put a nylon rope in the treetop and lead the rope to another tree, or another anchor, using a "come-along" as our power. The "come-along" is a portable pulley system and is worked like a hand hoist. A 12-foot, steel cable with a hook on the end rolls up on a cylinder that is locked and kept from spinning by ratchets. We use it in treetops, mending split trees, and in cabling and bracing.

Come-alongs are made in one- and one-half-ton capacity sizes for lifting different weights.

With the come-along, we tilt the tree away from structures in danger of being crushed by the felled tree. On trees up to two feet in diameter, with an average sized top, one $\frac{3}{8}$ -inch nylon rope is sufficient. This size is adequate for nearly any tree if it has been topped. On extremely huge trees, however, we use two ropes and two come-alongs. Weight of the tree is not as important as the

fact that we tilt heavy trees against a hinge.

Before cutting, we rig our ropes and come-along. As we cut on the back side of the tree, we increase the pressure on the cable by tightening it. Pressure is kept on the treetop as the cut opens. This indicates that our tilt method is working. The tree must be inclined in the right direction, away from the protected structure, before the cut is completed.

Kickback Dangerous Near Building

One danger in the use of a heavy hinge and strong pull on a large tilted tree when its base is near a building is that the trunk may split at the hinge and kickback against the building. This is especially true of ash and red oak, and with other trees depending on how easily they split and how much tilt pressure is applied. To prevent kickback, we sometimes use a fall cut, but a tree cannot be tilted as far when a fall cut is used as it can be with a hinge. Trees that split easily cannot be tilted as far as one with greater internal cohesion and flexibility such as a gum. The kind of tree must always be considered.

Falling trees are often crowd-gathering events in a neighborhood. We have had audiences of 30 to 40 people on adjoining lots and across the street. It does not hurt customer relations one iota to do a job that spectators know only an expert could do!

Marlow Spray Film Available

A film entitled "A Fact of Life" has been produced by Marlow Division of International Telephone and Telegraph Corp. The sound and color movie, which runs 25 minutes, illustrates and demonstrates the advantages and disadvantages of both high concentrate and conventional type spraying.

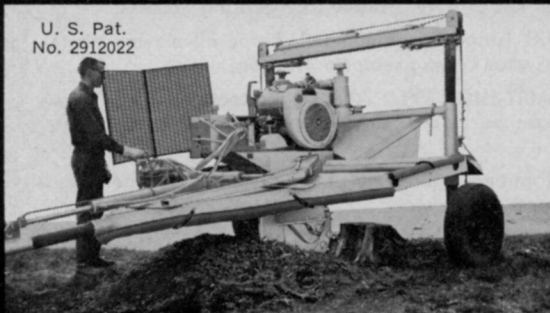
Marlow, manufacturer of Econ-O-Mist mist blower, offers the film free of charge, except for return postage, to all groups involved in agricultural enterprises. For information write: "Econ-O-Mist," ITT Marlow, P.O. Box 200, Midland Park, N.J.

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