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**The tree-lifter**

**Greenwood, George**

**London, 1844**

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Description of water-cask.

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The pruning ladder should be triangular; that is, to the Kentish fruit ladder, wide at the base and narrow at the top, should be added a single prop. The lower end of the prop should diverge into two branches, to receive a wheel like that of a wheel-barrow. When lowered, the ladder is placed and wheeled on this prop. When reared, the prop being attached to the ladder by a rope, it is pulled towards you by raising the ladder by one of its lower rounds. If well made this ladder is perfectly wieldable, and safe at the height of upwards of twenty feet. The ladder is easily detached from the prop, and used singly, if required.

#### DESCRIPTION OF WATER-CASK.

I have found the following sort of water-cask very useful:

A pair of old gig wheels, four feet

in diameter. A thirty-six gallon cask, thirty-two inches high. Swing this cask between the wheels by two iron arms, fifteen inches of the cask above the arms, seventeen inches below them.

An iron handle to pass over the top of the cask, and sufficiently free from the cask to allow of its being tilted. The handle to take on and off the axle with a hook and screw.

A pair of old gig shafts to take on and off the handle.

A leathern hose, with wire inside, at the lower part of the cask, just long enough, when turned over the cask, to reach the bottom of it on the other side. The hose to take on and off with a screw. A lid, opening with folding flaps, fastened by a bent hasp, which will pass over and secure the hose while in movement. A couple of leathern buckets. A hook before and behind the cask, to carry the buckets.

A wrought-iron bowl, to lade with.

This cask may be used either by hand, or with a horse, or donkey. It may be locked going down hill, as recommended for the "tree-lifter."

According to circumstances, or the power of approaching the tree, the hose or the buckets may be used, or the cask may be tilted.

#### PRACTICAL PART OF TRANSPLANTING.

Choose a tree of from twenty to thirty feet in height, with several leaders, or with some unduly large branches. Prune the tree previously to digging round it, so as to take from the head at least as much as will, in all probability, be taken from the root, not by *cutting in* the head and branches of the tree, but by giving it a clear leader, and cutting out all branches large enough to compete with the stem,