

QUICKLY DETACHABLE RUBBER-TIRED WHEELS ON CULTIVATOR SAVES MUCH TIME IN HAULING TO PLANTING SITE

JOHN BUETZBERGER,
Chequamegon National Forest,
Forest Service, USDA

A simple method of attaching and detaching rubber-mounted wheels on the Rapp cultivator has been found to save considerable worktime and prevent serious damage to roads and trails when the cultivator is being hauled to and from a planting site or fireline.

The accompanying sketches show how the wheels are attached to the rear of the cultivator frame with piping, just behind the scalper wheels. Two bolts and two pins complete the simple connection. While under tow, the scalpings ride well above the surface of the ground.

The cultivator can then be towed behind a truck over surfaced highways, and then attached to a tractor for the final leg of the journey over a firebreak or logging trail.

This method saves the time of loading the cultivator unit on a tractor-trailer for the highway trip, unloading it at the trail, and hitching it to a tractor to drag it over the trail to the planting site or fireline. It also saves the damage to the trail caused by the cultivator's scalping wheels. This tearing up of the trail makes it difficult for trucks to bring in planting or fire crews and equipment.

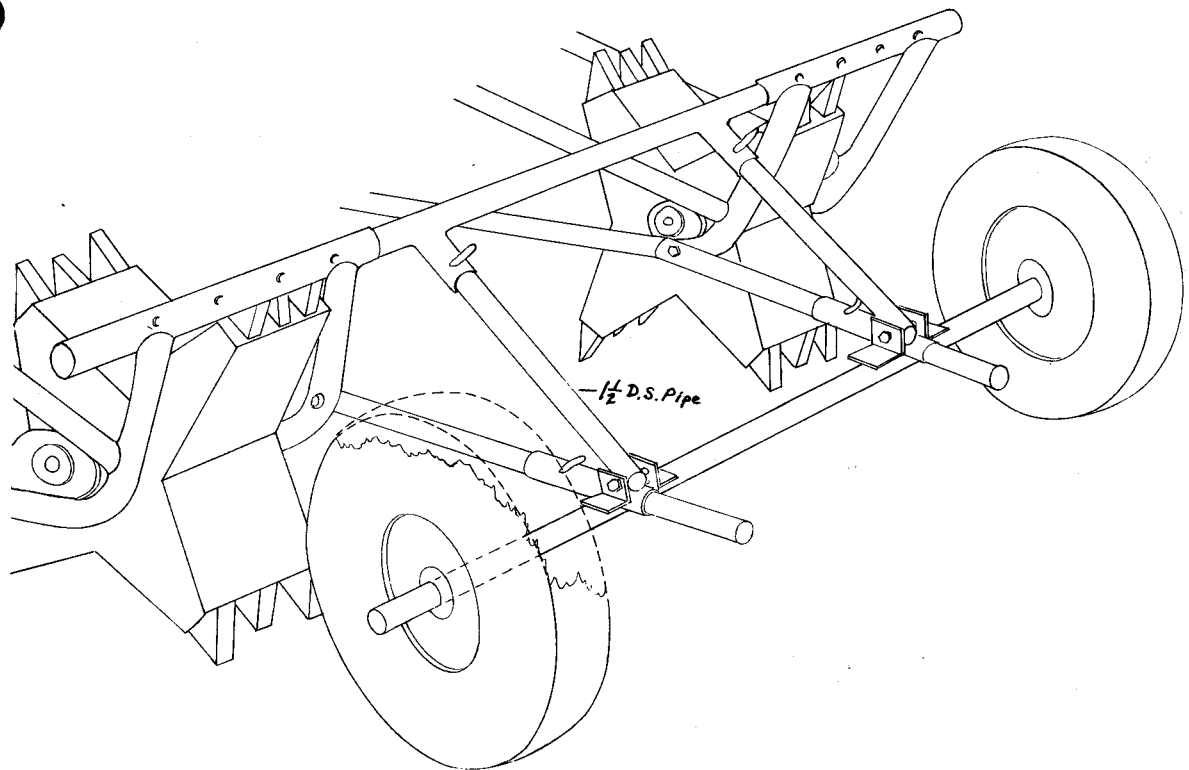


Figure 1.—Installation of a set of quickly detachable rubber-mounted wheels on the Rapp cultivator in this manner lifts the scalping wheels off the ground, allowing cultivator to be towed behind truck or tractor along roads and trails to the work area.

The Rapp cultivators on the Chequamegon National Forest were so equipped in the spring of 1966 at a cost per unit of \$70 for parts and \$100 for labor. The modification was found to be very worthwhile in time saved and in preventing much

wear and tear on trails.

The wheel attachment has been adopted for optional use on all National Forests having this make of cultivator in the Eastern Region of the U.S. Forest Service.

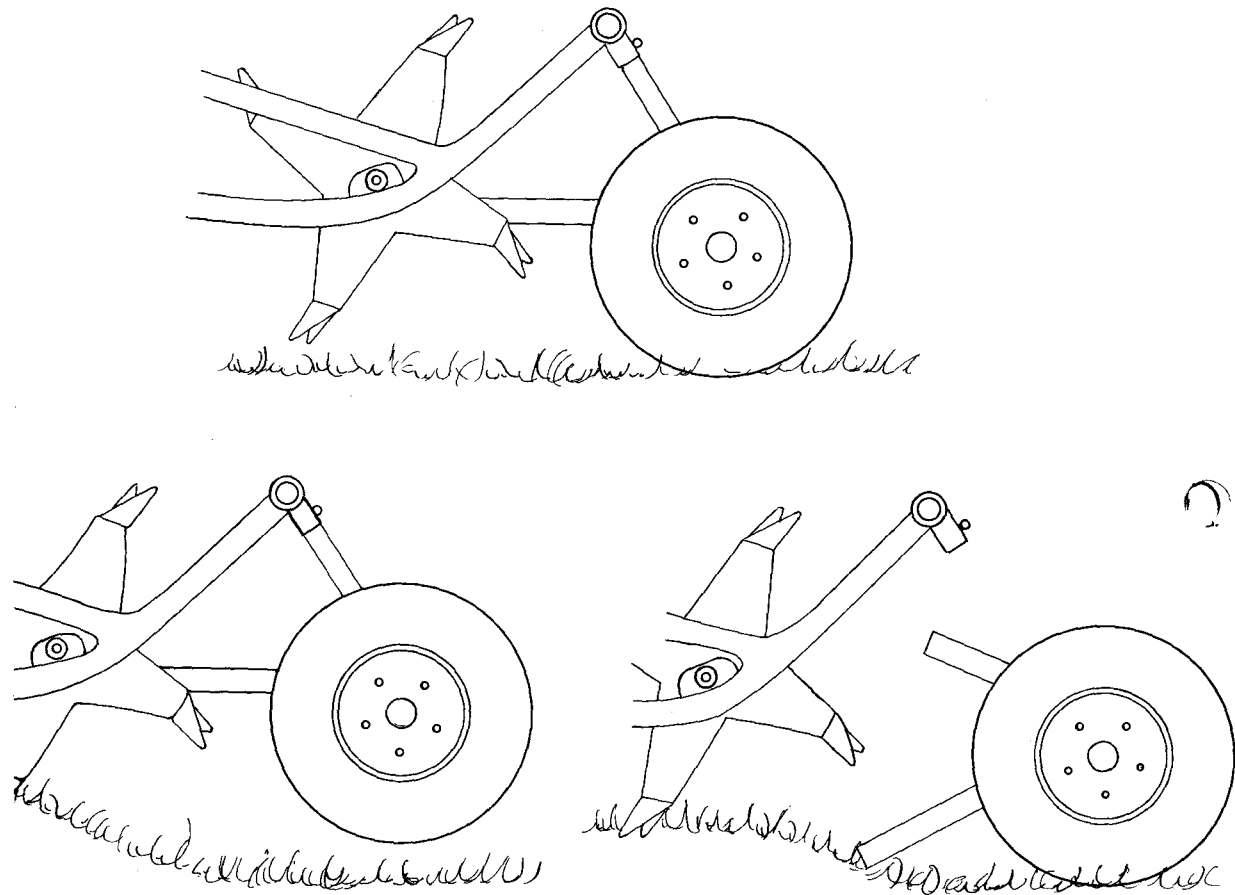


Figure 2.—Wheel-mounted cultivator, side view. Top, under tow. Below, left, in position for removal of wheels, taking advantage of a rise in ground. Below, right, wheels disassembled, by removing two bolts and pulling two pins.

State Agencies in New York and Michigan Plant More Than One Million Acres

New York and Michigan together account for more than a million acres of land planted to trees by State, county and town agencies, and public

schools during the past 40 years, out of the nations total of 2,697,729 acres. This amounts to one out every 2 1/2 acres so planted.