

Tractor Chariot – Why it's Non-Obvious

Nobody knew the real problem of today's users

1. Historical Tractor Users:
 - a. Agricultural-based user market:
 - i. Primary User: Single user working in a field
 - ii. Primary uses: Mowing and front-end loader single task oriented uses.
2. Modern Compact Tractor Users (w/ a Tractor Chariot):
 - a. Multiple Users (Primary Operator + Helpers): Multiple people working on a project
 - b. Multi-Purpose User: Shift from single uses to multiple uses/needs.
 - i. Primary uses beyond mowing and front-end loader uses.
 - ii. Also need to do landscaping, tree cutting, trail management, driveway dragging, snow removal, garbage removal, elevated tasks (where you need a platform) such as tree trimming, house/barn painting, washing, repair, etc.
3. Tractor Chariot
 - a. First attachment built for the multiple user market in that it can allow three people to collaborate on any project
 - i. Example - trail maintenance: 2 people in the chariot exit to chain saw at the same time, with a third driving the tractor and then getting back into the chariot to move on down the trail.
 - b. First attachment that addresses the wide array of all potential uses from snow removal through landscaping.
4. Why is it non-obvious?
 - a. Individual users or companies didn't think that you could combine all of the features and functionality of the tractor chariot into one attachment that serves a changing market.

The Synergistic Effect

1. Nobody would think that one attachment could be built with so many functions in it, ranging from snow removal to tree-cutting. The Tractor Chariot submitted took literally 10 years of research & development to put all possible functions in place to support a multi-purpose user.

- a. There are 75+ different capabilities that have combined together in the Tractor Chariot, which then matches against literally hundreds of different project uses.
2. There is a synergistic effect to all of these capabilities that drives unparalleled innovation and value. For the first time, a compact tractor user can purchase one attachment and have all of their uses met. Here is a trail maintenance example:
 - a. Example: If an attachment allowed for 2 chainsaws, that is fine. But if you don't have a way to transport people along a job site, then you have to have an entire separate vehicle (e.g., a UTV) to move along the job site
 - b. If you have two chainsaws, but no place to store a tree-trimmer, then you can cut fallen trees, but not trim back living trees
 - c. If you have two chainsaws, and room for a tree-trimmer, but no drag, you can't smooth out the humps that form in the middle of a typical trail, unless you own a drag and do that process separately.
 - d. If you have all of the above, but no place to attach a belt to a tree, you have no ability to drag that tree off from the trail
 - e. If you have the ability to do all of those, then the only way you have them all in one attachment is with a Tractor Chariot.

New Function for Old Elements

1. The Tractor Chariot allows itself to be attached to existing elements so you get the benefit of the chariot plus that element. For example, a bank mower. This is a common piece of equipment. However, by attaching it to the Tractor Chariot, you get all the benefits of the Chariot combined with being able to very easily attach a bank mower onto it.