

Releasable Wagon Bed

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The Problem:

Employees at a tree farm are having a tough time handling larger trees, thus resulting in slow shipping speeds and back injuries.

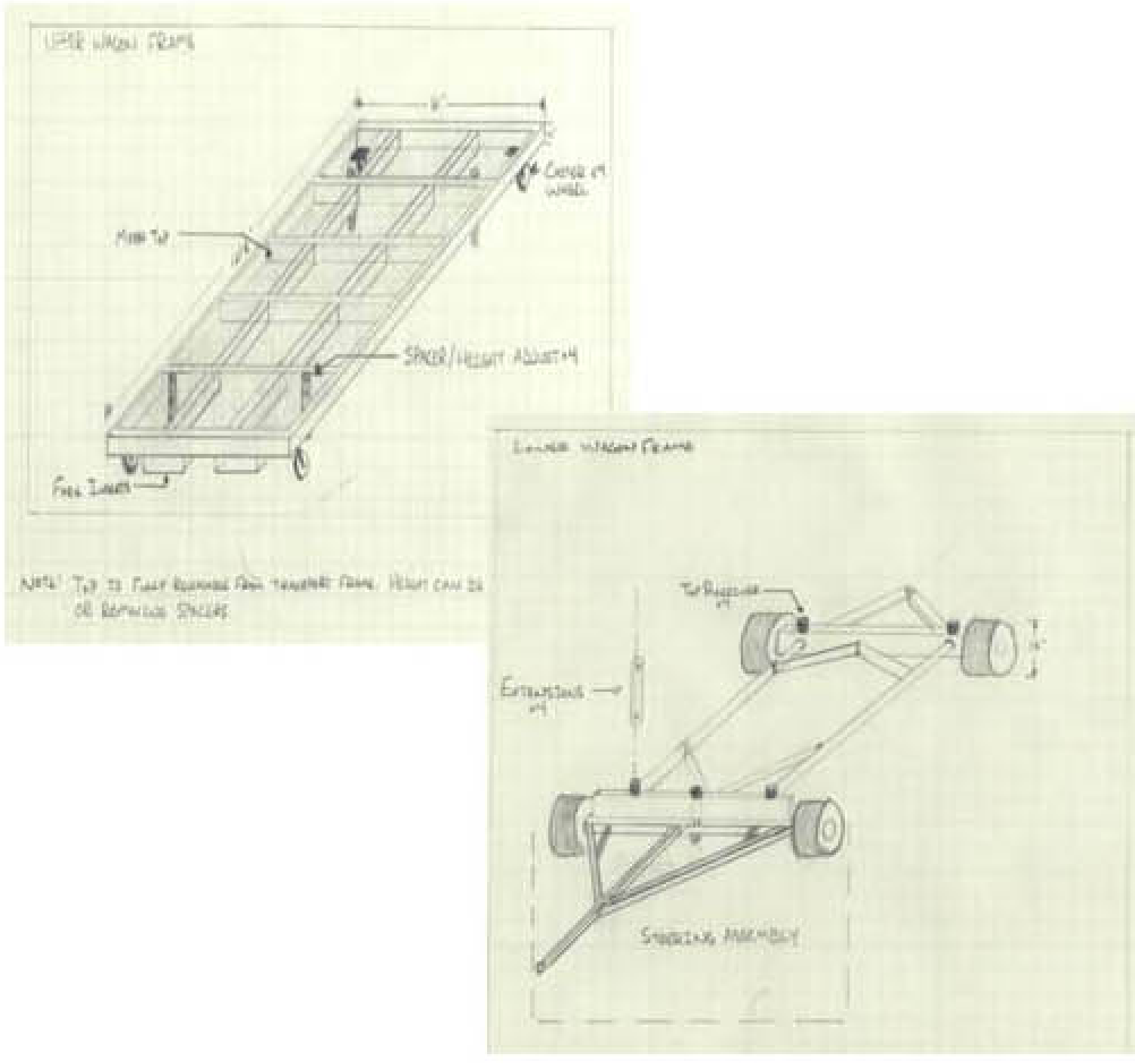
The Solution:

Design a wagon that is both economical and practical to speed up shipping times. This wagon should also have a lower height to aid in the prevention of injuries.

Final Deliverables:

A wagon that has a shorter frame, with a releasable wagon bed that can be picked up by a forklift. A back injury prevention guide, as well as a complete construction guide on how to create another wagon.

The Construction Process



Step 1: Design preliminary sketches



Step 2: Design mock-ups on AutoCAD



Step 3: Evaluate the old wagon frame



Step 4: Disassemble



Step 5: Construct lower frame



Step 6: Construct upper frame



Step 7: Add forklift pockets



Step 8: Put together and paint



Step 9: Finished product

