



BAREFOOT GARDENS

Community Supported
Fruits, Vegetables,
Flowers, Herbs & Eggs

October 17, 2011

2011 Northeast SARE/PASA Field Day

Dynamic Attachment Frame System

Quote

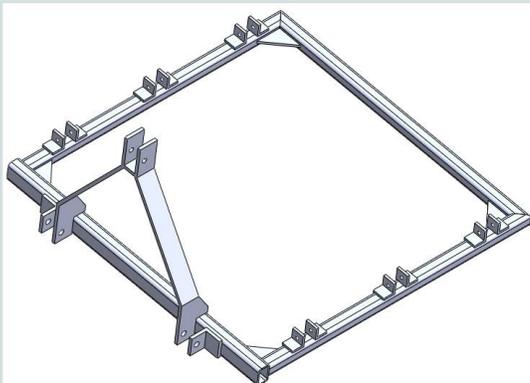
From the point of view, then, of the farmer, the ecologist, and the consumer, the need to reform our ways of farming is now both obvious and imperative. We need to adapt our farming much more sensitively to the nature of the places where the farming is done. We need to make our farming practices and our food economy subject to standards set not by the industrial system but by the health of ecosystems and of human communities.

From the Essay *Farming and the Global Economy* by Wendell Berry

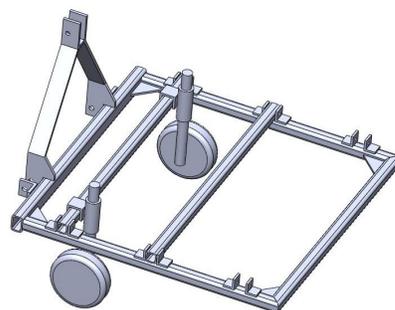
Abstract—Tool Development/Prototype

With the diversity of crops grown on a CSA Farm, multiple farm tasks are required daily. The Dynamic Attachment Frame System is an idea that springs from constantly removing a single task implement then connecting a different implement and adjusting each implement every time it is connected.

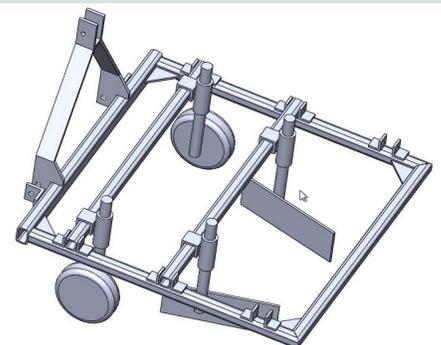
With one Main Frame and several "drop in" attachments, the adjustments are required just once for each individual attachment. When switching between tasks like hilling potatoes to seeding radishes at 3 rows/per bed to seeding corn at 1 row/bed to cultivating carrots, only minutes will be required to remove an attachment and drop in the next attachment. The size and scale of this attachment system are targeted for the small to mid-size CSA or Market Farm Operation. It appears that bigger farms have large scale equipment readily available and most small farms either make do with oversized equipment or spend lots of time modifying large scale equipment to fit small scale methods.



Main Frame



Frame with Height Wheels



Frame with Two System Bars





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Disc Harrow



Root Digger



Two Row Seeder



Three Row Seeder

