Auburn University

Innovation Advancement & Commercialization

Portable Sawhorse Workstation

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Reference: Portable Sawhorse

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Licensing Opportunities

- This technology is available for exclusive or non-exclusive licensing
- Joint development opportunities include funded

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Overview

Auburn University is seeking a licensee or development partner for the QuickHorse portable sawhorse workstation. Traditional sawhorses are only made to last during the job for which they are built, and require hours of time to construct on each job site. The QuickHorse provides an efficient, mobile, and light weight alternative to traditional sawhorses while providing increased convenience and flexibility. This easy to assemble and easy to use invention has potential applications for construction professionals and do-it-your-selfers alike.

Advantages

- Slotted design provides for quick assembly, reducing construction time needed to produce an on-site sawhorse
- Clamps allow for use of a secure sacrificial board, extending the life of the product (right)
- Molded plastic construction is mobile and light weight
- Use of wooden interchangeable parts enables simple customization and adjustment, saving time and labor costs
- Ruler stamped into the plastic mold helps make small cuts faster, again saving time and labor costs
- Hooks molded into plastic allow for skill saw to be hung directly on the sawhorse, making each set up faster
- Simple and rugged design allows it to withstand the abuses of a construction jobsite, reducing the need for replacement
- Design enables simple disassembly and reassembly, ideal for do-it-yourselfers with limited space

Description

Since traditional sawhorses are heavy and not easy to move, it is typically easier to construct new sawhorses at each jobsite. However, building a traditional wooden workhorse takes a significant amount of time and labor. Manufactured plastic sawhorses are easily reusable but are harder to adjust quickly on site and often don't offer as much strength or stability as a traditional wooden sawhorse.

With the QuickHorse portable workstation the user gets the mobility and quick set up time of a manufactured plastic sawhorse with the stability and adjustability of traditional wooden sawhorses. This easy to use and assemble sawhorse provides greater all around utility to the end user. By offering mobility, stability, flexibility and a variety of useful features in one sawhorse, the user saves both time and labor expense. Further, the addition of a sacrificial board protects the board from damage, lengthening the life of the product. The QuickHorse's durability and simplicity of design make it ideal for the abuses of a jobsite environment.

Status

- Working prototype has been developed
- US Patent 8,757,323