



The Cupstacker



“The Greening of Clark Hall Pub”

Problem Statement: Our project called “The Waste Management of Clark Hall Pub” looked for solutions to begin a green movement within the tight space available during service. The design had few technical requirements but **needed** to be:

- Cost effective
- Simple to use
- Space Efficient

Design Process: We felt the greatest detriment to Clark Hall Pub’s green initiatives were the amount of plastic cups that were thrown out at the end of the night. To save space in the bag and promote recycling, we came up with a cupstacker. Attaching directly to the side of a garbage bin, the system is simple enough for anyone to figure out and can hold approximately 90 cups.

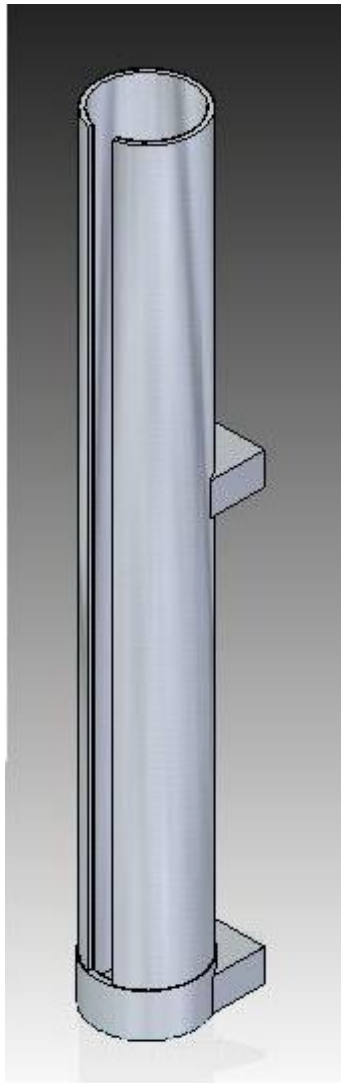


Fig 1. The Cupstacker

Design Features: To coincide with our problem statement, PVC pipe was chosen as the basis for our Cupstacker; strong, durable, and cheap. Other features include:

- Magnetic attachment system to the garbage can
- Lateral slit and wooden tab to remove the cups
- An overall sturdy and lasting design
- Customizable foam to fit any shaped or sized garbage bin

We feel that the Cupstacker is the perfect device for Clark Hall Pub. When serving Ritual, Clark Hall Pub uses approximately 200 cups. Using our design, the Cupstacker only needs to be emptied once in a night because of our Cup Overflow System (COS). COS just means that the Cupstacker can hold more cups than just to its brim. “The cups just keep on stacking.”

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