Eco Bee Box

Bees Changed My Life

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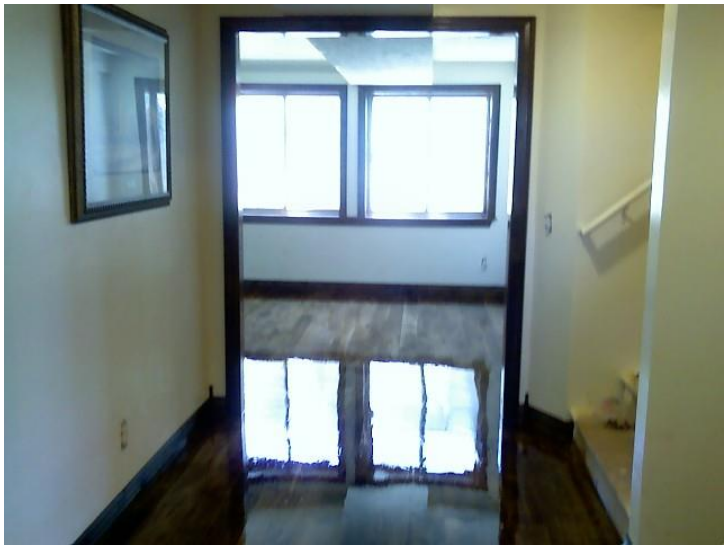
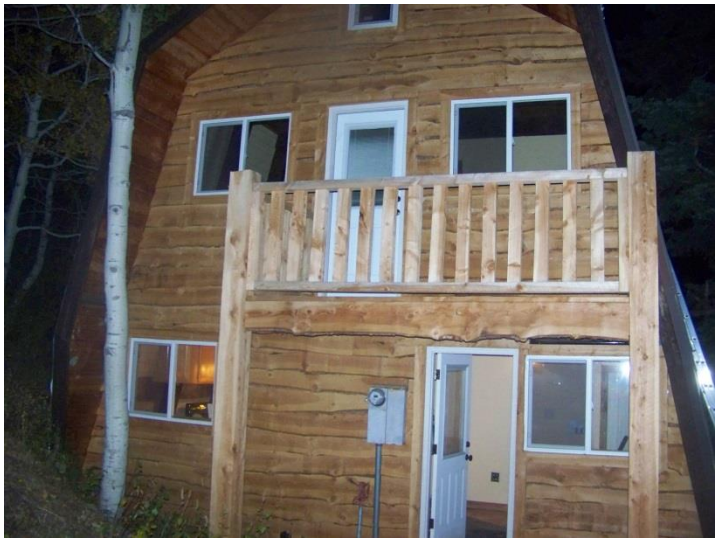
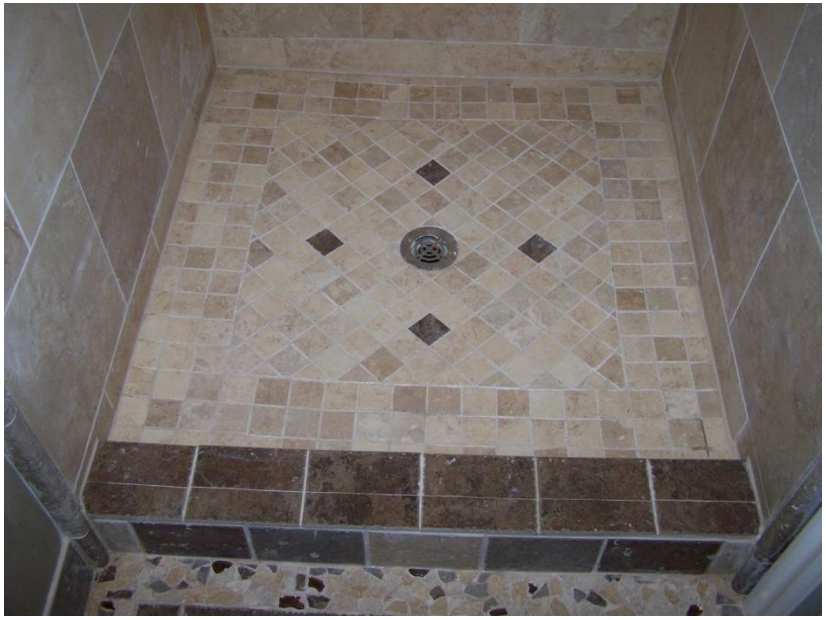
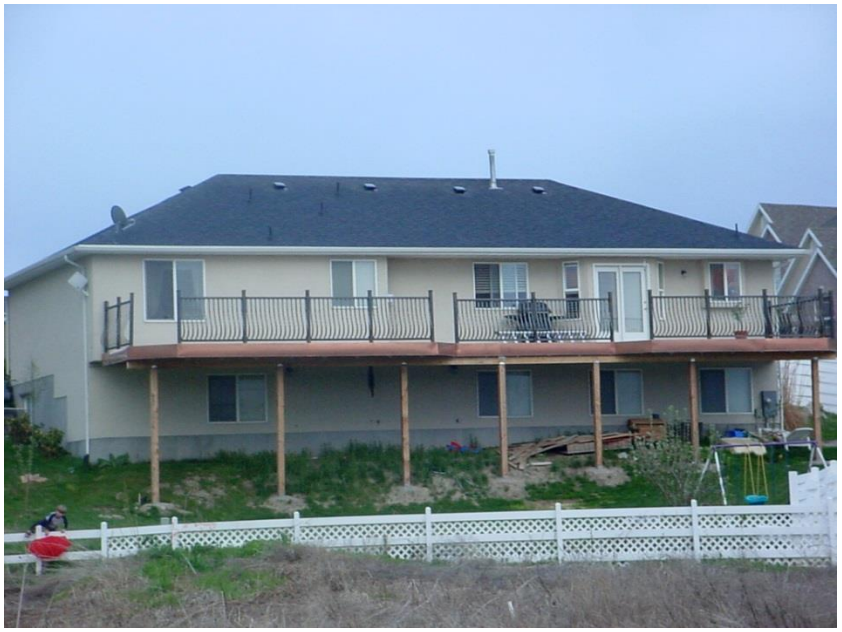








First Hive

Langstroth, Warre, Perone, African & Tanzanian top-bar hives have all been blended into a universal hive system by Eco Bee Box.

Faults in each system have been identified and eliminated in our modern universal hive.

Key questions in each stage of development …

- is it universal
- does it promote bee health
- does it mimic a natural process
- does it have multiple applications
- can it be repaired if broken
- is it attractive
- is it easy to use

Nuc box

- The “nuc” box is a hive that typically holds 5 frames
- It is difficult to use in conjunction with other Langstroth equipment (1 ½” over half)
- The Eco Bee Box adaptation was to make this hive exactly half the size of a standard Langstroth hive, this allows the beekeeper two side-by-side boxes
- This development allows for quicker easier splits of hives and keeps the equipment on the active hive instead of stored in the garage
- Observation hive

Observation Hive

Characteristics:

- The observation hive currently used in the industry is a high maintenance hive that has little or no possibility of surviving the winter
- Used for display, it is different from all other types of hives.
- Vary from single frame to multiple frame displays
- Let in lots of light which is offense to the bee

New… Eco Bee Box allows any panel to become a window. Windows can be tinted to restrict offensive light

Pollen Trap

Traps currently:

- Has spaces the beekeeper can't reach or clean, leaving the potential for disease and invasive pests
- The screen used for filtering the pollen, and holding the stored pollen, are made of galvanized steel. Pollen has a high natural moisture content which mixes with the metals in the galvanized screens.

New …

- Re-engineered pollen extractor can be fully disassembled and cleaned
- Utilizing stainless steel and copper screens which are considered food grade
- Can be turned on and off by the beekeeper with the slight adjustment of a cover piece which is unique to Eco Bee Box.

African Top-bar / Tanzanian Long Box

Top-bar Problems:

- Varies radically from one maker to another and hive
- Once filled, hard to expand
- Bulky stand that is difficult to level
- Bees build to walls
- Comb unsupported and can be disastrous
- Feeding awkward

Langstroth problems:

- Bees forced to build up
- After harvest they are pushed down
- Sits on the ground
- Large space, difficult to maintain and can not restrict area
- Always bent over as a beekeeper
- Plastic foundation is hated by bees

Hardware
Locking clips, & rabbets, entrance reducers

- The locking clips secure hive so vandals or attacks have a difficult time penetrating the colony.
- Clips hold bottoms and tops secure
- Rabbets serve as a replacement to weak wood on hive
- Entrance reducer is cheap and easy

Natural Comb Box

Existing comb box problems:

- Made of plastic with many parts
- Requires lots of replacement parts annually
- Round?

New:

- Holds 26 frame wooden frames with starter strips
- Ideal for producing both new colonies and comb honey
- Can remain on hive year round
- Issues with liquid honey … risks of contaminants from unclean extractors, strainers, buckets, beekeepers adding water, syrup, flavor, and so on
- Great for Queen Rearing, with all natural wax from these bees

Mini Hive

The Eco Bee Box most notable advancement is the “mini hive” - or the missing link in beekeeping.

Each colony has a single queen that can lay up to 2000 fertilized eggs a day.

Each egg, under the right conditions, can become a viable queen.

This mini hive is similar to the hollow tree that bees thrive in and continue to excel in.

Set with the industry standards and Langstroth standards, it has removable frames for inspection and bee space of 3/8” (space needed for a bee to move about), and boxes that can be added to it or removed by the beekeeper.

This mini hive may an observation window for educational purposes

Can be decorative, and will fit any urban setting and yard

It can be hung from a tree to prevent offensive attacks from ants and rodent

Easier for the bees to control their environment - such as temperature and humidity.

The comb from original hive can be transferred allowing continuance of the hive's ecosystem with it's unique symbiotic relationship of microscopic life continuing from hive to hive. The well-being of a colony and queen doesn't only rely on food, but on all the unseen life within the hive that has grown to live in s symbiotic environment with the bees. Each hive can have varied bacteria and life adapted to that particular colony. This is comparable to the Europeans that arrived in the New World, bringing pathogens and microscopic life that the new world inhabitants were not used to.

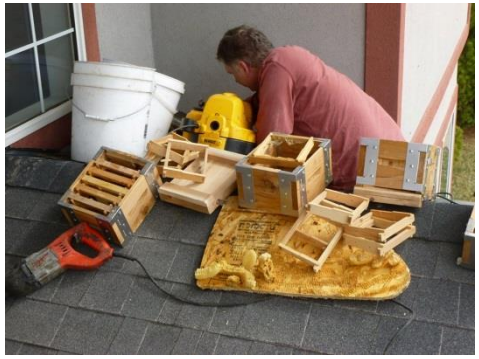
Instead of simply bringing in another queen, you find colonies that have survived multiple years, especially those without medication exposure (used to control various issues) and those with mite control (an issue killing countless colonies around the world

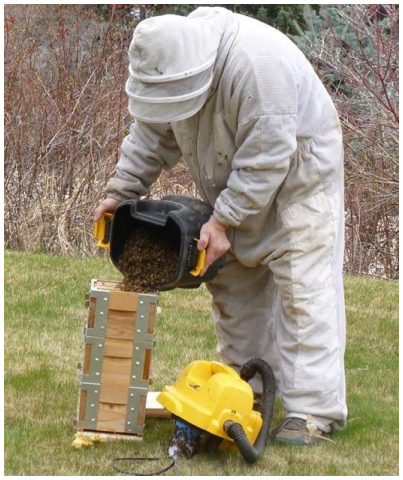
This is the future of bees and beekeeping.

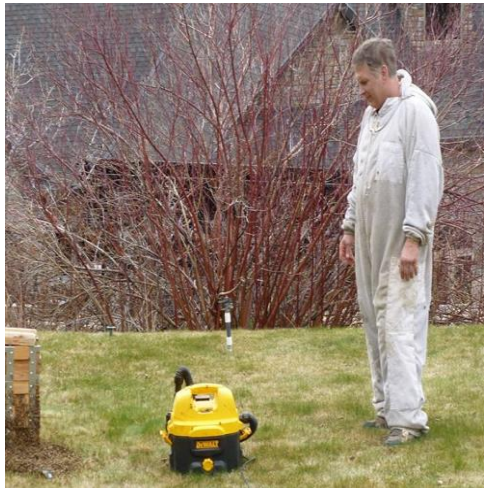
Langstroth hives. The most common reason for boxes to fall into disrepair is the rabbets break. I created the only repair replacement rabbet in the industry, primarily for commercial beekeeping. My entrance reducers are shaped like my company logo and serves as an advertisement as well as a restrictive entrance when needed for the bees. There are times, such as classrooms, where the colony needs to remain inside the hive but air circulation is still permitted.

Through Eco Bee Box, this system is now all over the world. This system wasn't enough. The

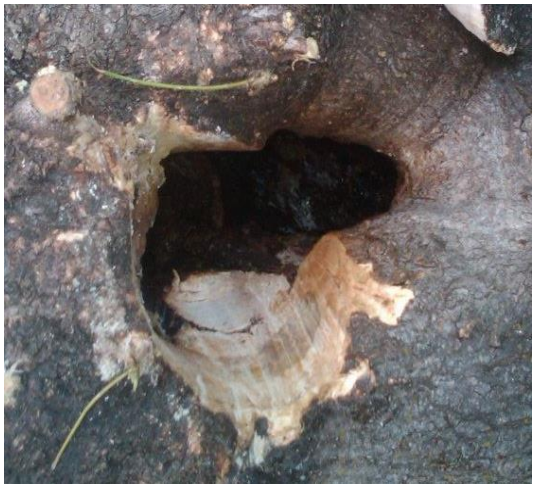
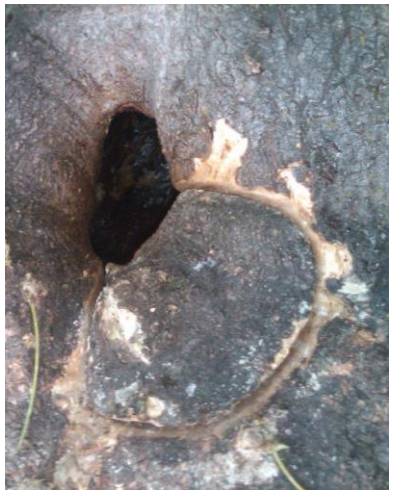
One is a swarm, one is not







Tree Removal



Our Future in Beekeeping

Don’t focus on the ones that died,
focus on the ones that lived.

Lets find a better way to go forward.