Dolmar, a lesser known German chain saw manufacturer offers little in the field of safety equipment. This design will stablish their safety products while focusing their marketing to a specific user.







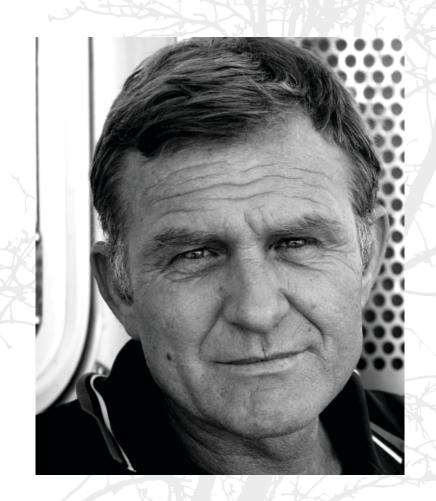


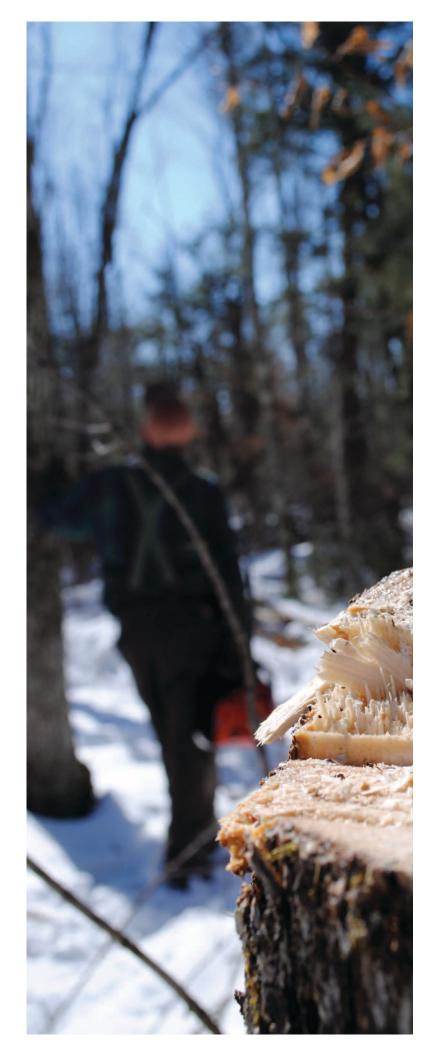
hometown: Rhinelander, WI

occupation: Fire Chief

brands: Carhartt, Dolmar, Sorel, Ford, Polaris

logging experience: Doug inherited four-hundred acres of land that his greatgrandfather purchased in the 1950s. Doug and his family harvest wood from his forest lots in the winter to supplemnt his income. Though it is more of a hobby than a profession, Doug takes logging very seriously. He has both knowledge and equipment that is just as good as the pros'.





Observational **Research**:

To conduct research for this project, I contacted Mike Wicke, a man in his early 50s who independently logs his own land with the help of his son and one of his son's friends.

Mike invited me out to observe their operation. Not only was I able to gain a better understanding of the logging process, but I was even able to experience some of it firsthand.

Selecting and sizing up the tree:



Cutting down or "felling" the tree:



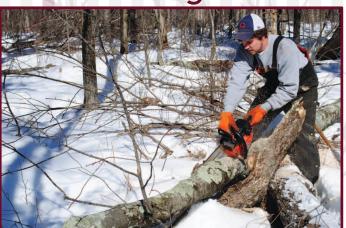
3

Limbs are cut off of the tree to make it easier to drag out of the woods.

Next, the tree is marked by a chain saw into 100 inch sections.

This helps to determine how many sections of the tree can be used.

"Limbing" and marking the tree:



4

The trees are fastened to a tractor with a chain.

They are then drug to whatever location they will be stacked.

Chaining and hauling:



5

The trees are now cut into the hundred inch sections. This is the size that the paper mill demands.

The trees are then stacked, where they will wait to be hauled away by a truck.

"Bucking" and and stacking:



2

Next, the logger begins cutting the tree. The series of cuts that the logger makes gives him control over where the tree will fall.

A safe, nicely sized tree is selected.

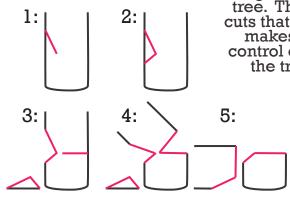
Factors that influence

the selection the tree

include it's proximity

to other trees, its liveliness, and size.

The "feller" must consider which direction they want the tree to fall.



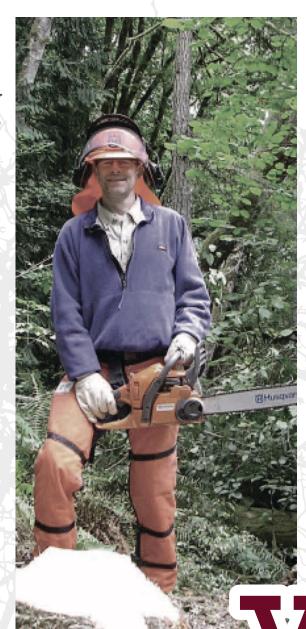
Helmet it's poorly ventilated and bulky.

Little arm protection

Generic working gloves

Big, bulky chaps

Steel-toed boots



No head, eye or ear protection

Little cover on arms

Heavy gloves with low dexterity

No chaps

Big clunky boots

existing proper chain saw safety equipment:

the loggers I observed:

Through my research, I discovered the actual felling of the tree is the most dangerous part of the process, due to the dangerous nature of using a chain saw and because of the possibility of a tree to injure a person while falling.

"The chaps are too hot and bulky..."

"I cant hear other people when I have ear plugs in, which is dangerous."

"The helmets are awkward and hot."

"I should be using a wedge, but it's all the way over there in the truck.

Andy! Joe! Come give me a hand!"

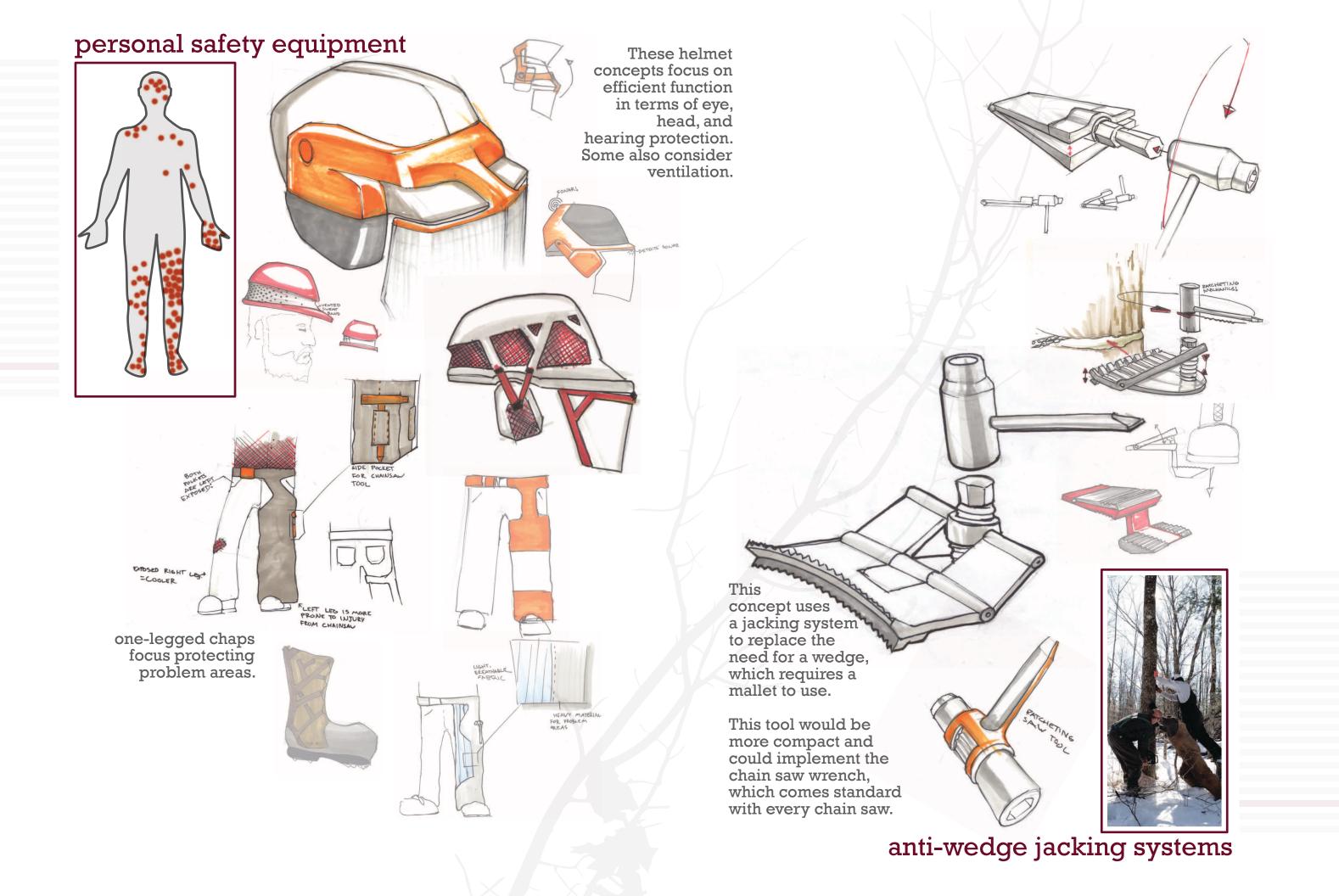


not using a wedge: unsafe logging practices

Accident Location and Frequency as Related to Chain Saw Use:

(U.S. Product Safety Commission)





Refinement: The Woodsman:
Takes inspiration from brands such as:













The B.A.M.F. (Big And Manly Forester): Takes inspiration from brands such as:



The Sportsman:
Takes inspiration from brands such as:







new logo to work with new design language



