

**Logging: The old, the new,  
the astounding,  
and the miserable.**

By Scott Kuehn

**THE OLD**



**Falling and Bucking**





**Rubber-man  
falling partner**









Relief Co. Camp - 1914

Relief



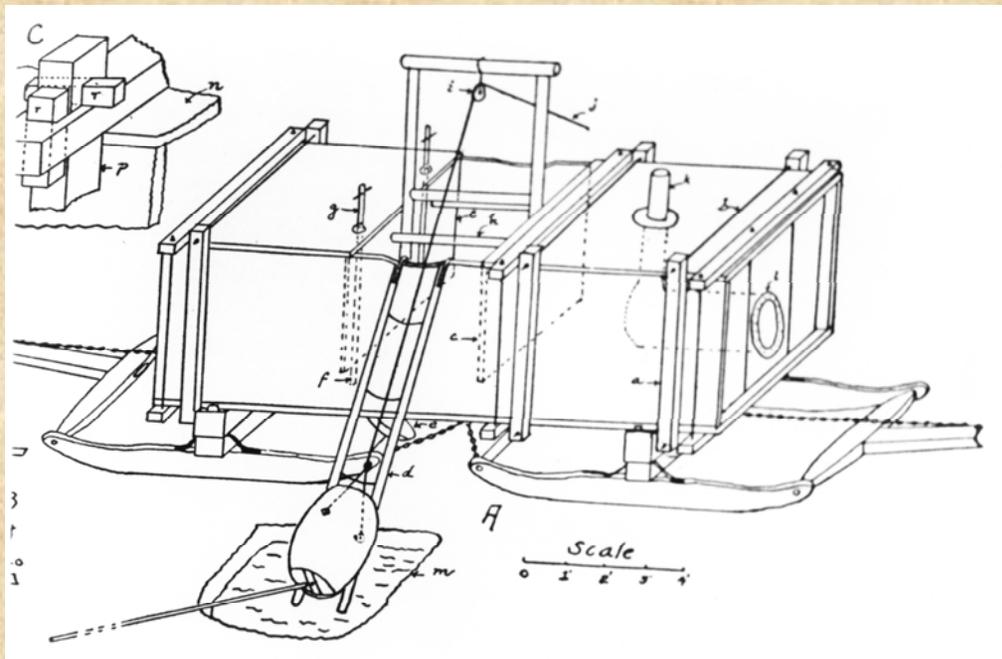
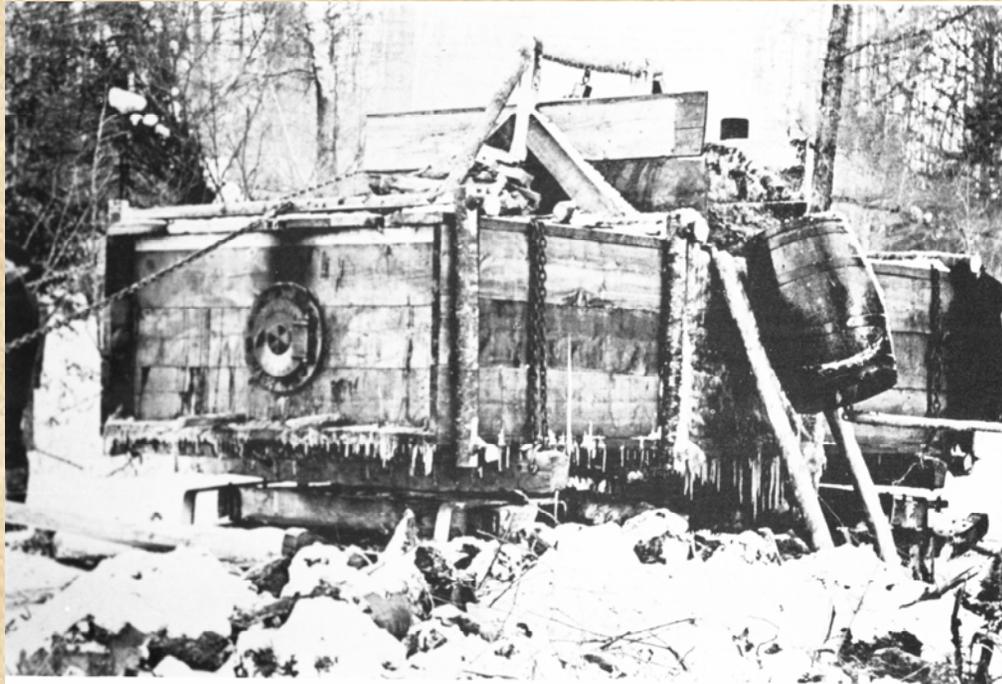


**A lot of the wood cut  
by Drag Saws was used  
to fuel steam boilers**



**Skidding Logs (Horse/Oxen Power)**

























**River Drives, aka River Pigs**













**The Bateau had a flat bottom and flared sides for stability**

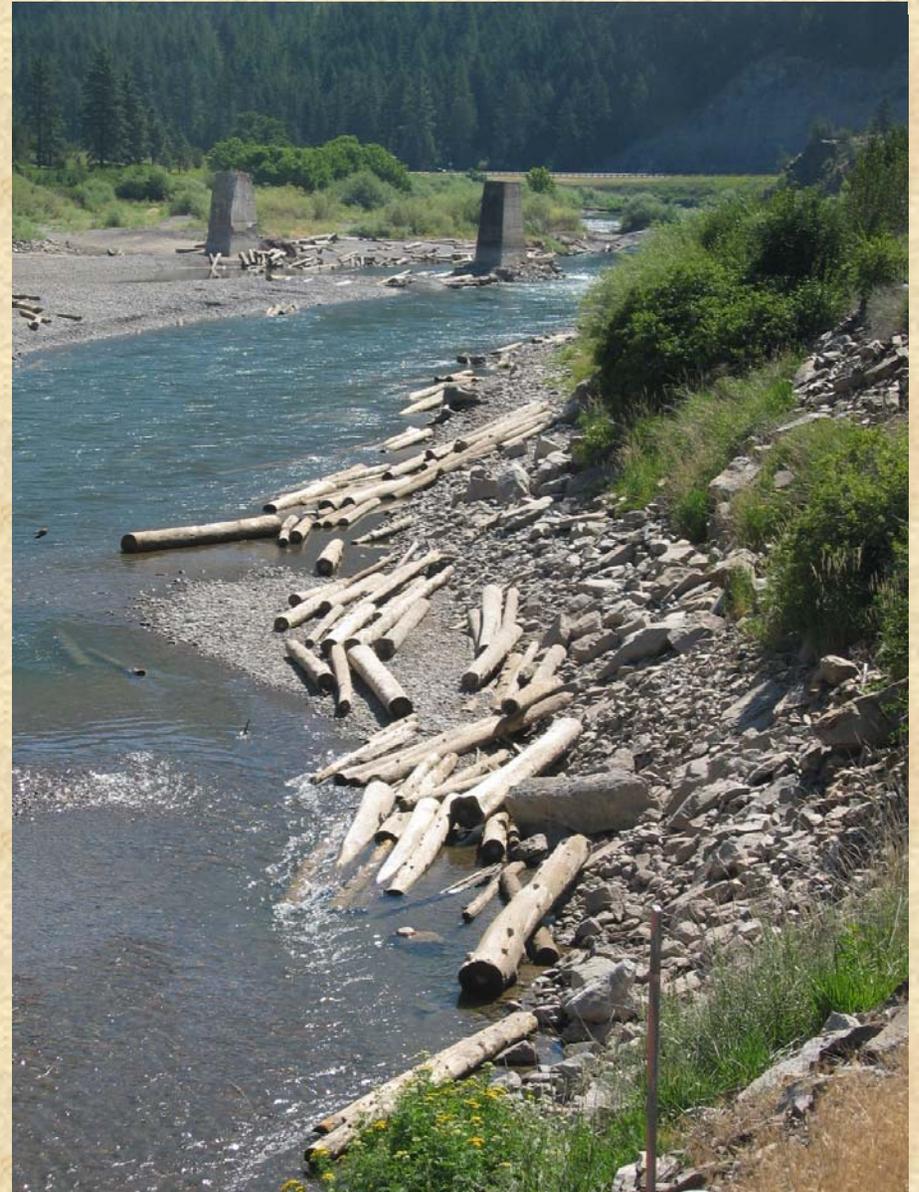








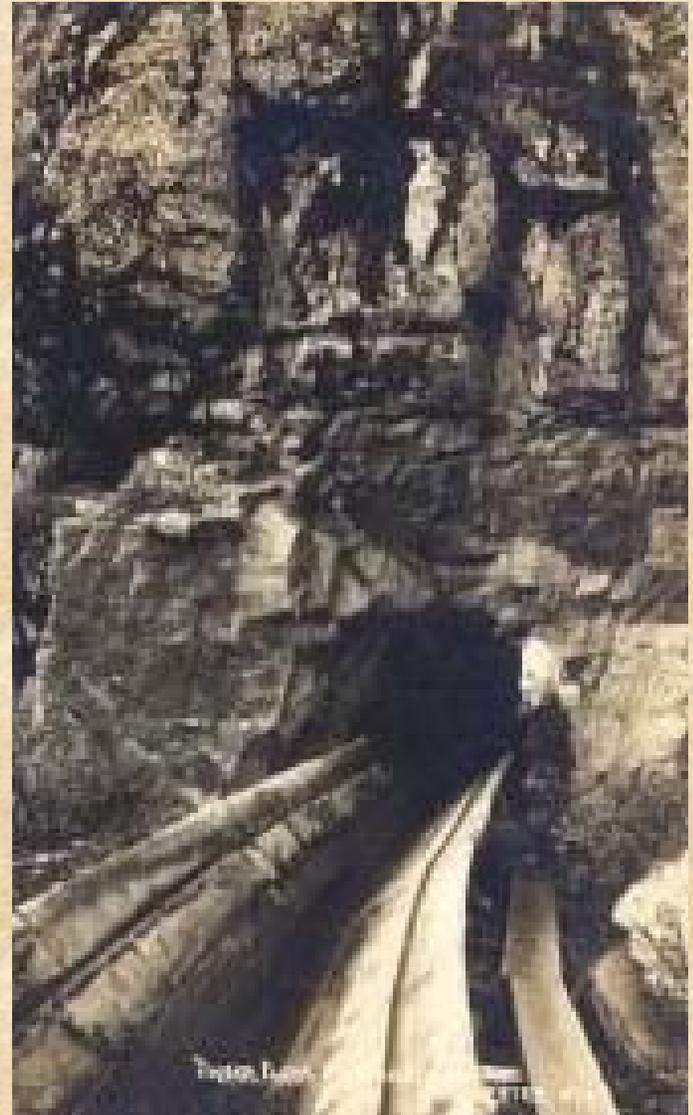
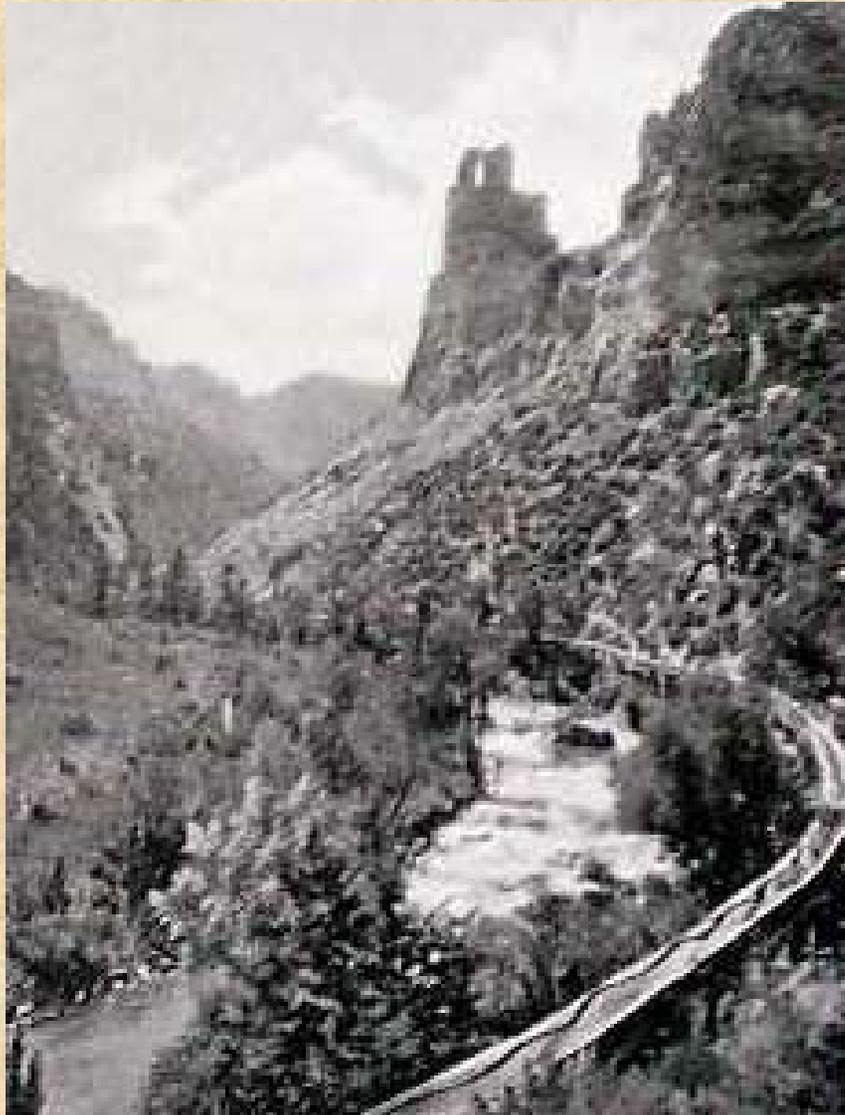
# Bonner River Logs



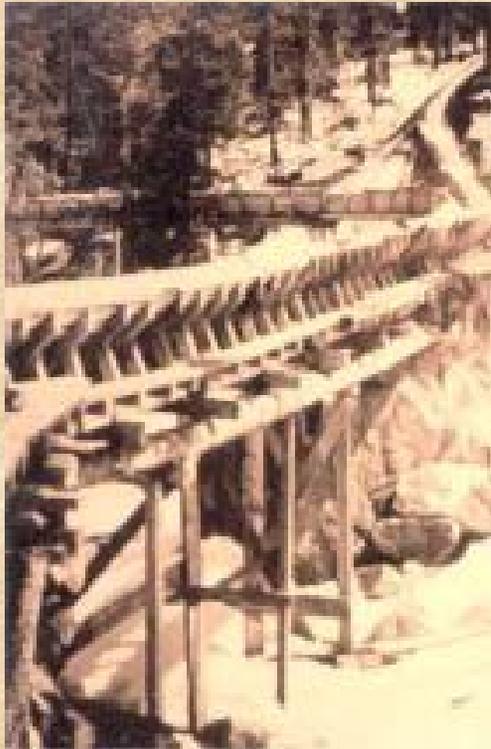


**It's interesting what the State can  
do, when we'd be put in jail**



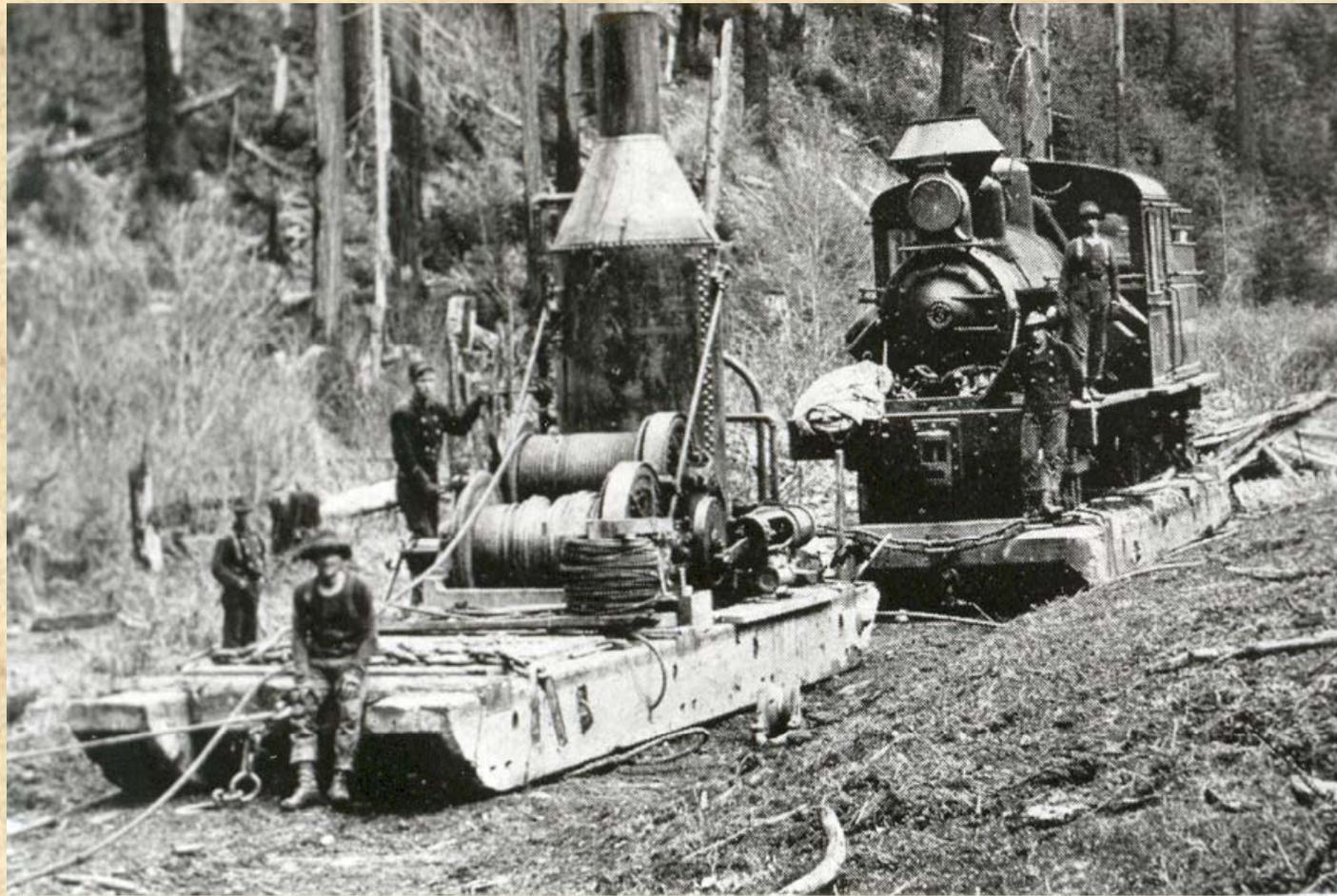


**Flumes**

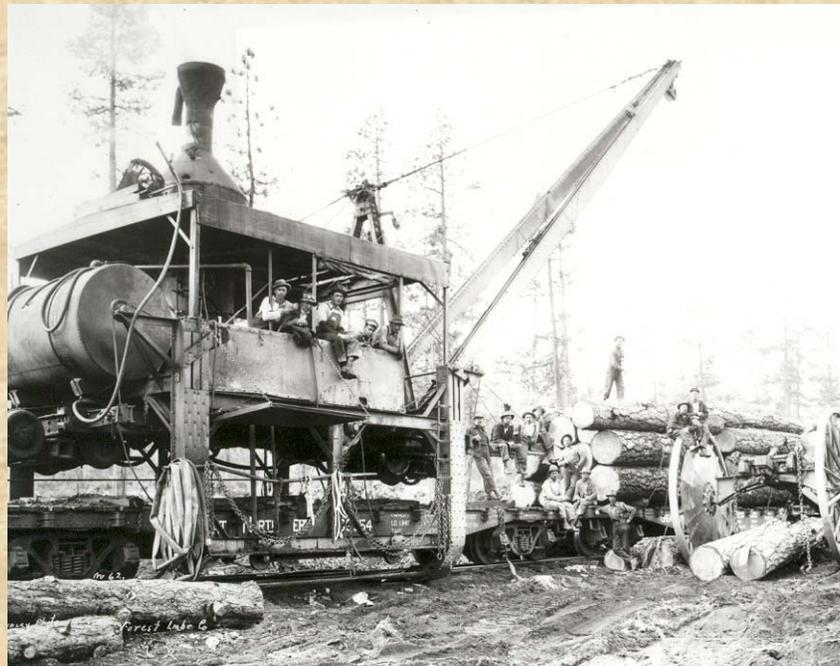


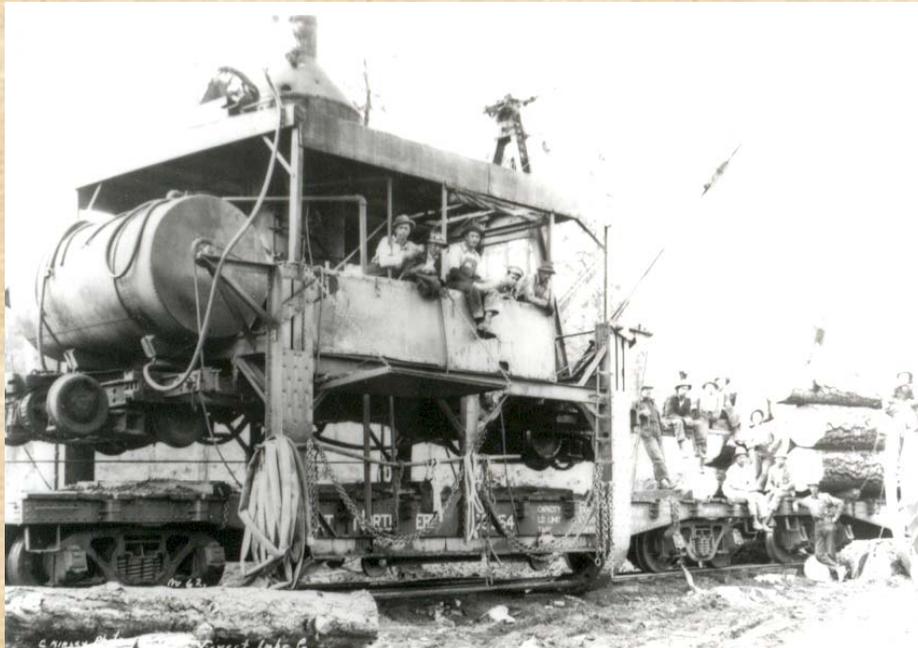


**Use of Steam (Lombard Engine)**









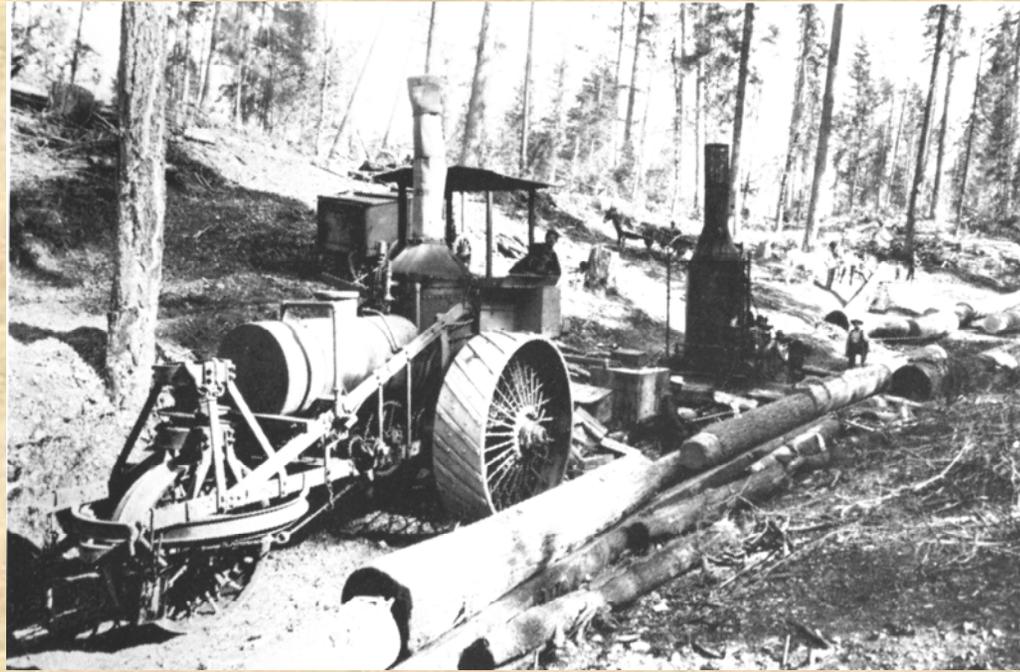
The McGiffert pulled empty rail cars from underneath, loaded the cars, then lowered it's own wheels and moved down the track



**What SMZ?**



**What weight  
limit?**

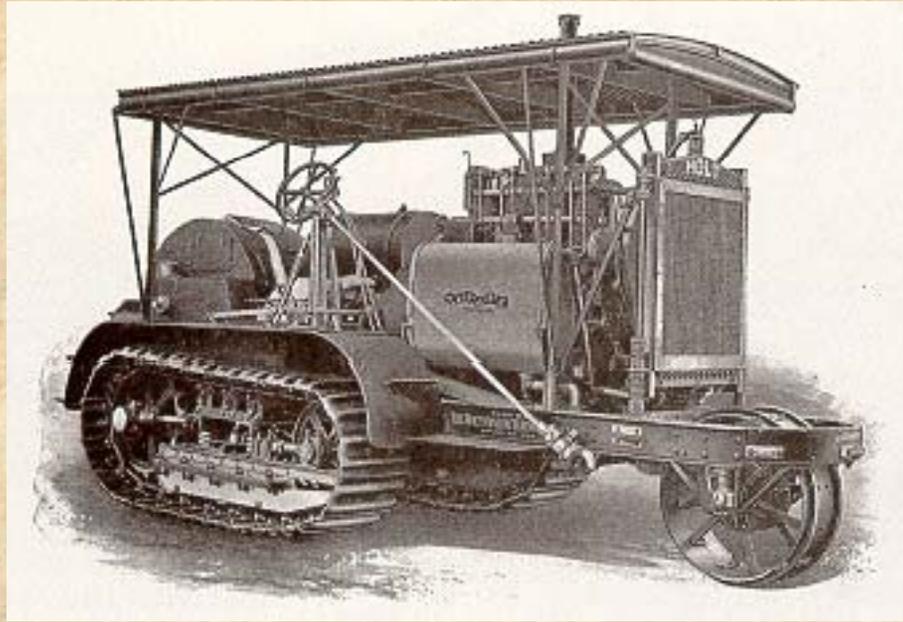








# **Tractors and Dozers**

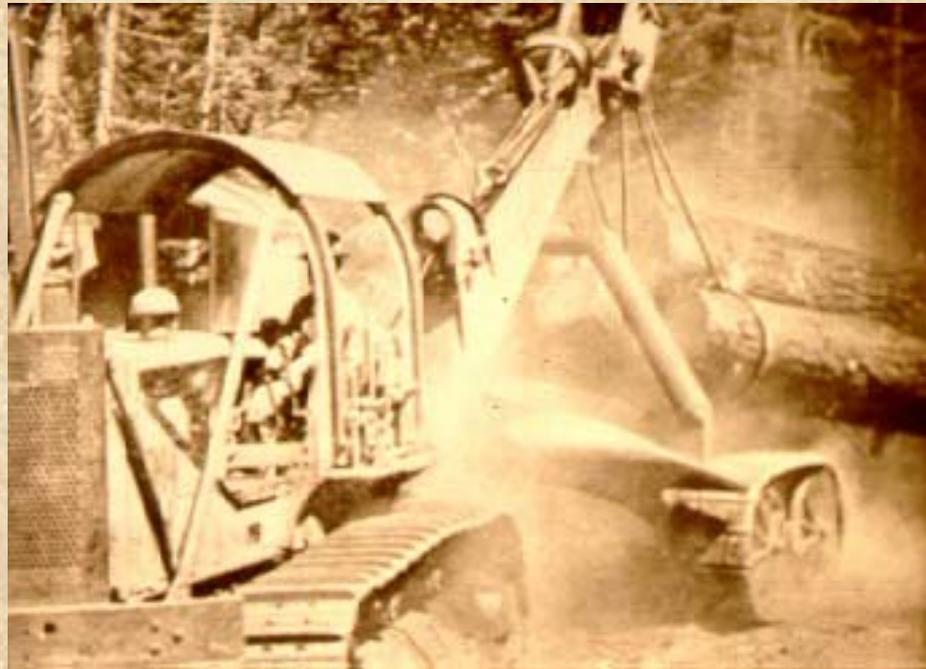


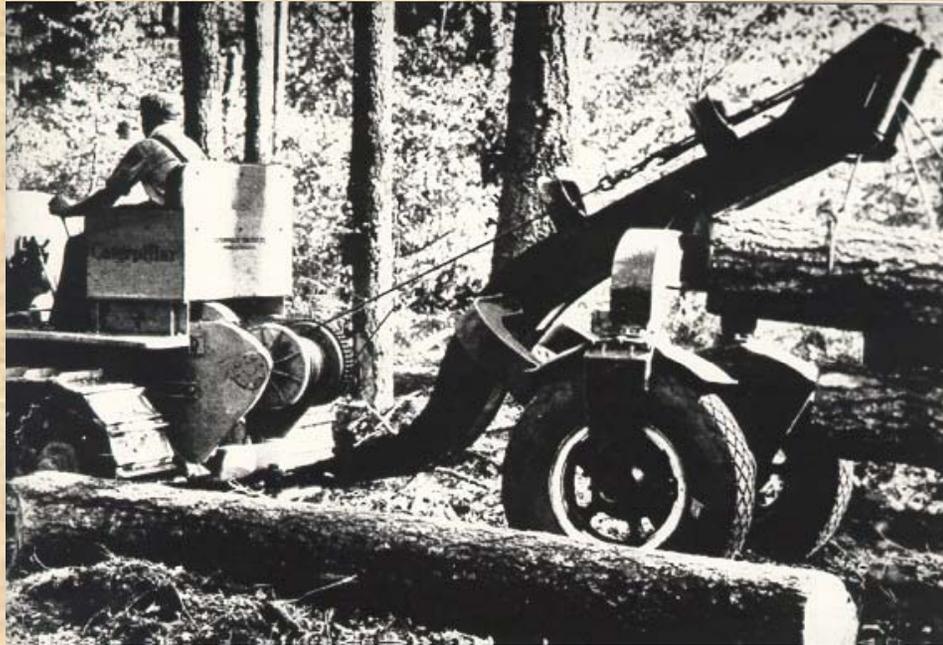




**Cat 30 w/ Tumble Bucket Scraper**

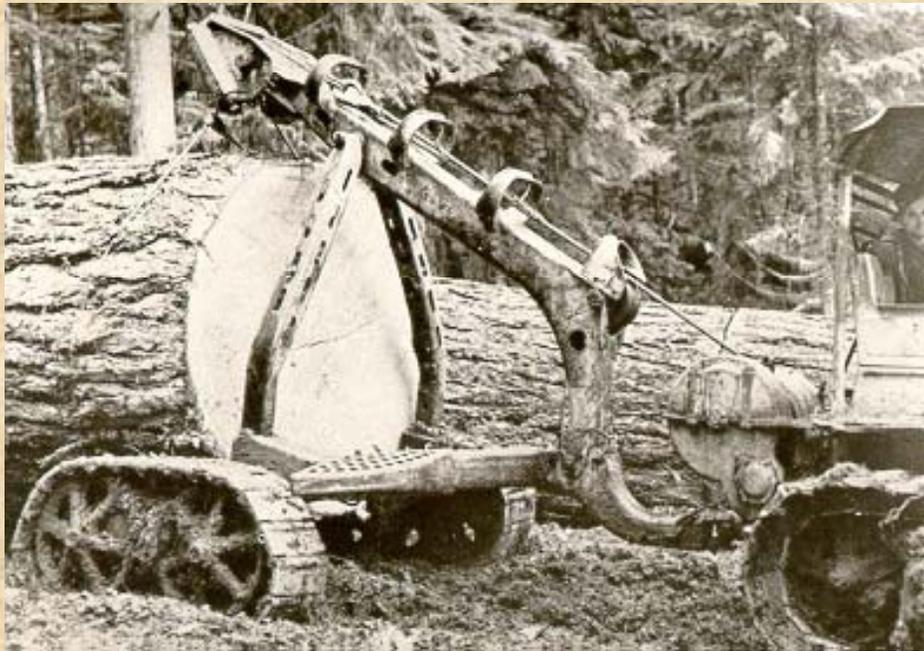






**Arches  
reduced the  
power needed  
to skid logs by  
80%**

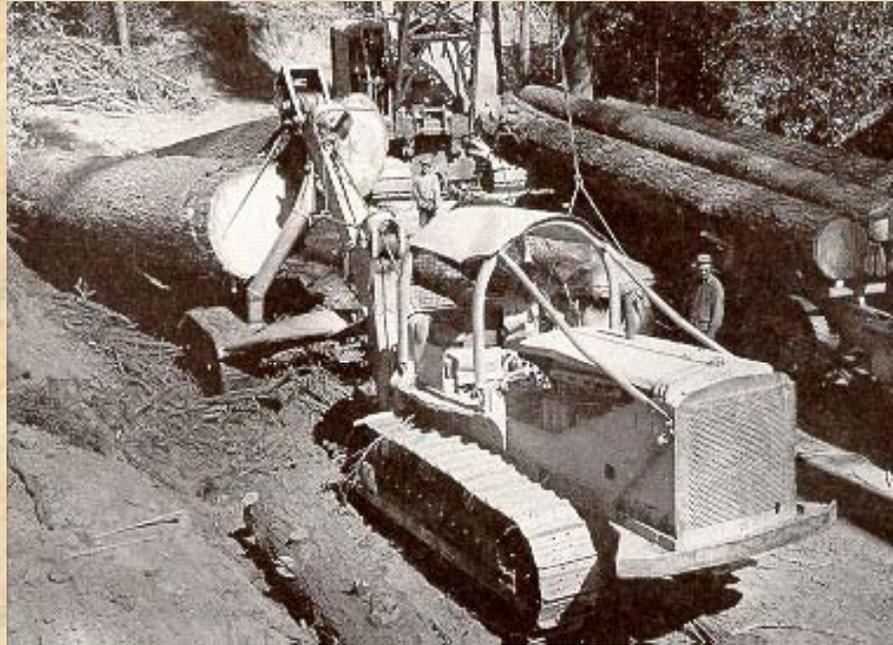


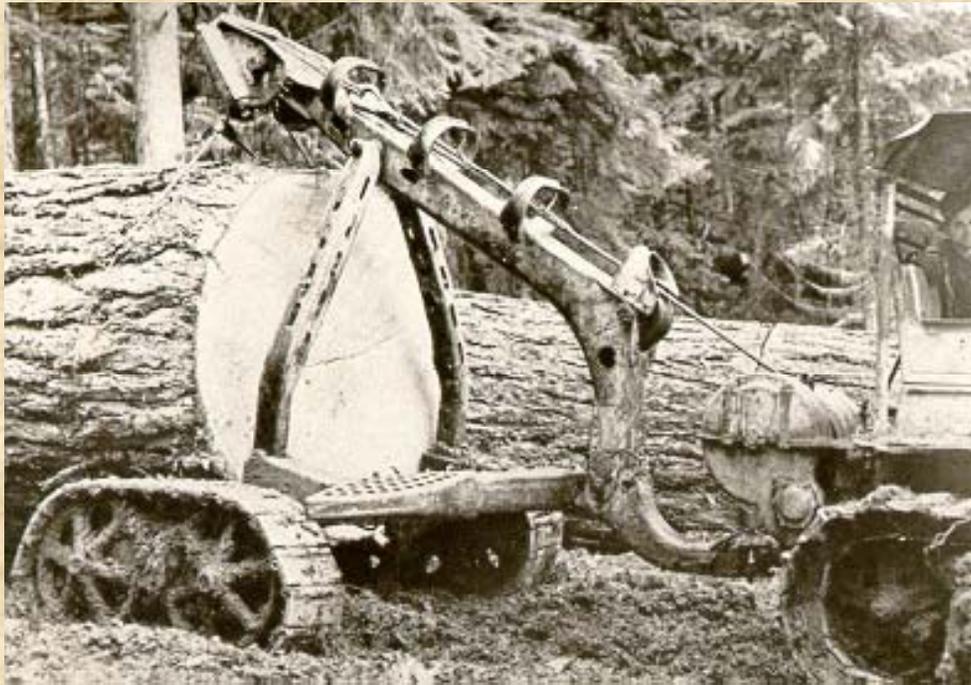


















**1955 ACM, D7**

**Blackfoot**

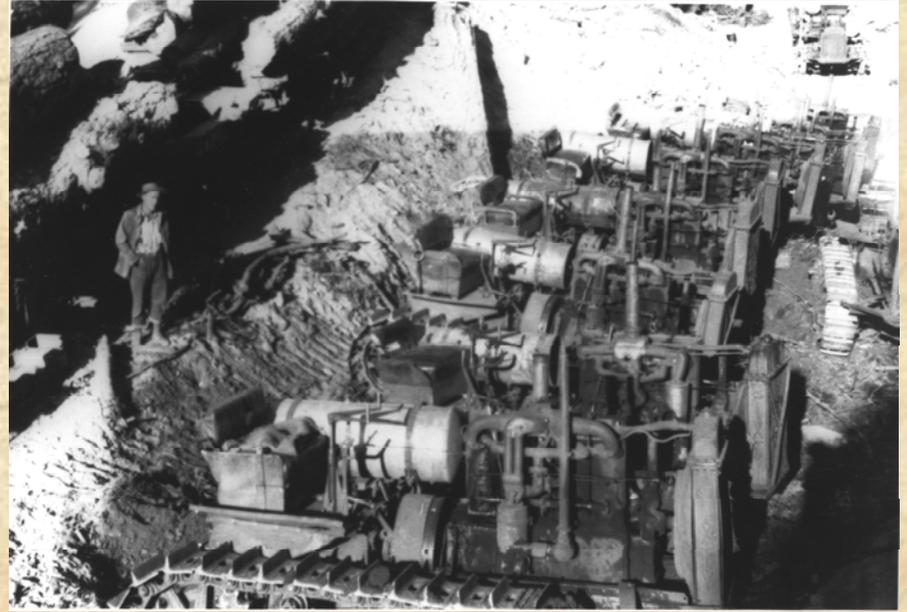




**What SMZ's?**







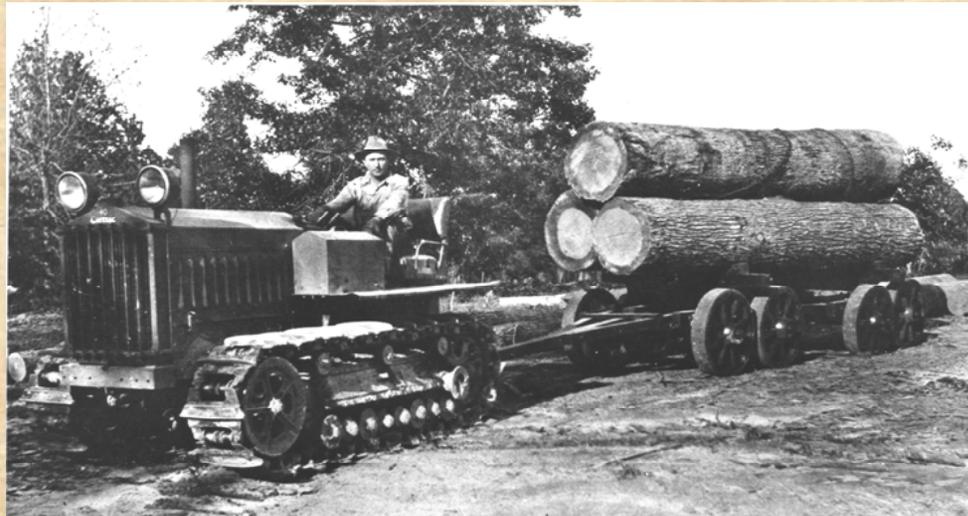




**Oops!**



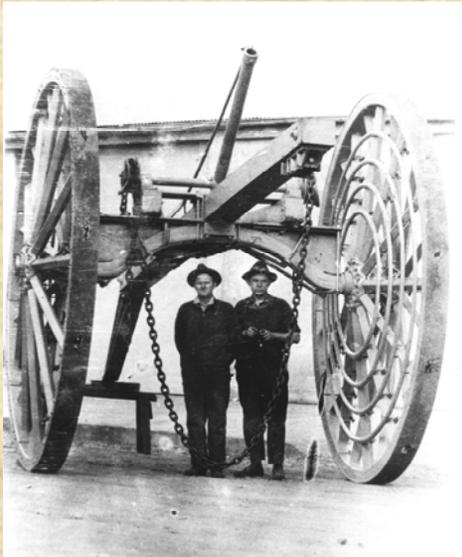
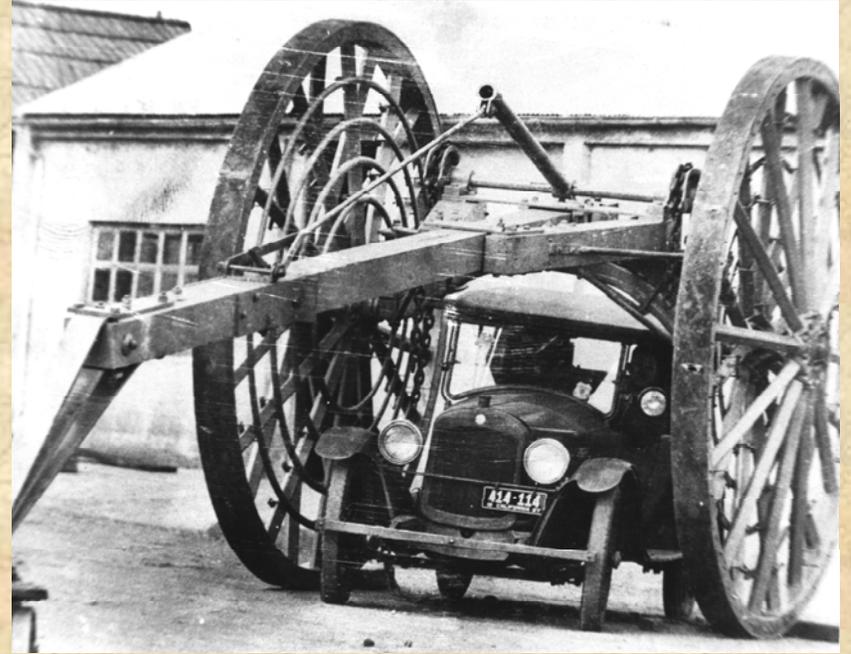
**Ovando  
1975**

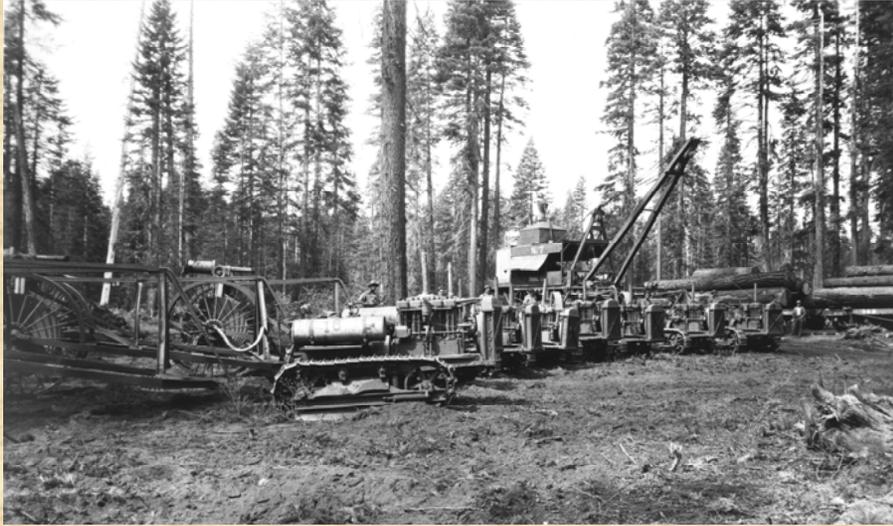


















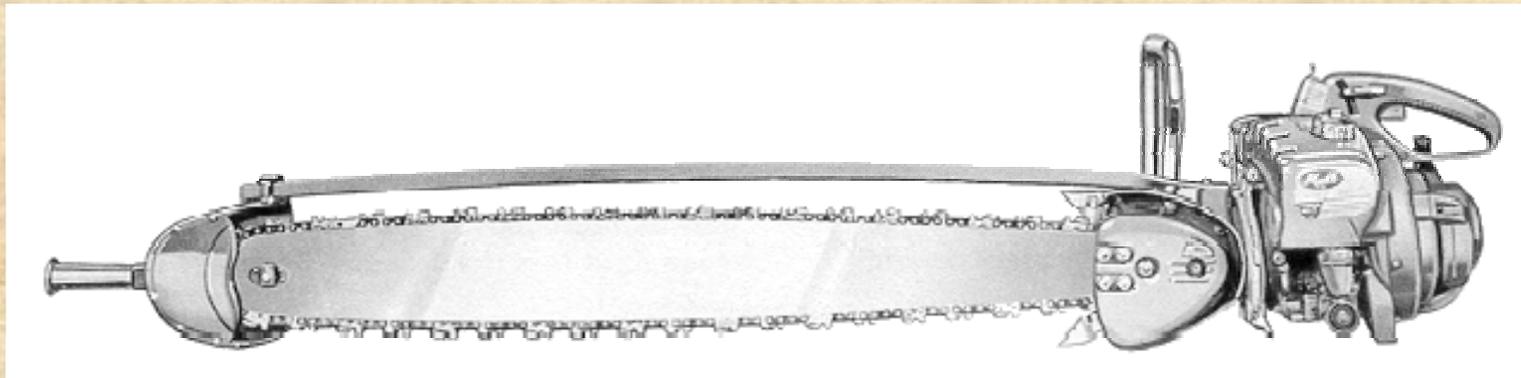
**Chain Saws**



**Electric Chain Saw**









**4-man saw?**



• BUCKING (SAWING TO PROPER LENGTH) ON LANDING ANACONDA FOREST PRODUCTS 1965

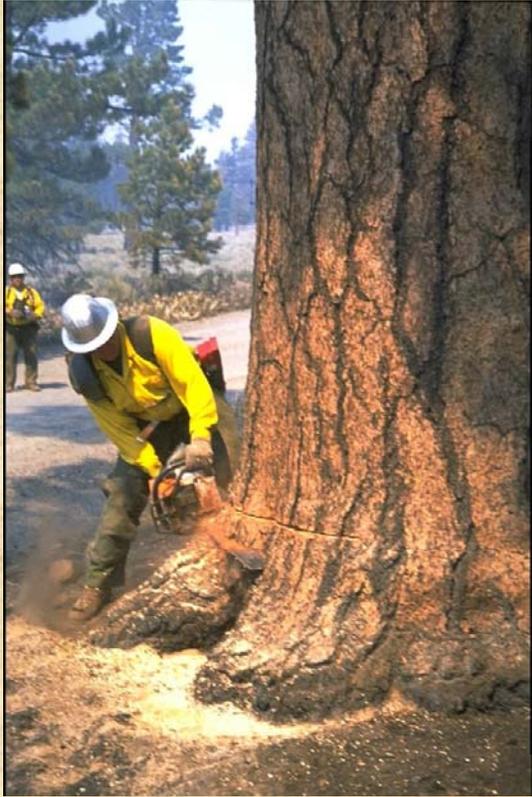


**Original “Scratcher” style tooth  
resembled a crosscut saw**

















**507 pound Chevy V8**



**A sharp cross-cut saw will out cut a chain saw**

# Feller Buncher Video



# Small Log Harvesting















# Snow Logging





**Winter 95/96  
Spruce Creek,  
Lochsa**

**At times, we had 3 snow blowers  
operating 24 hours/day. BIG \$\$\$**











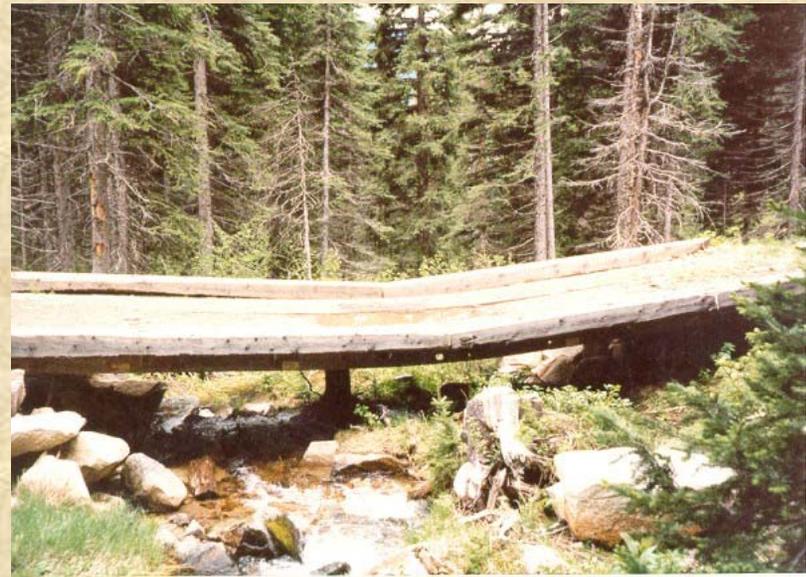
**Lochsa Stud Wood**



**More Stud Wood**



**Tunnel of snow**



**Snow bent this  
Rail Car Bridge**

# Unimog with Schmidt Ice Cutter





**High point was 13' of snow**



**SMZ re-marked  
on snow shoes**

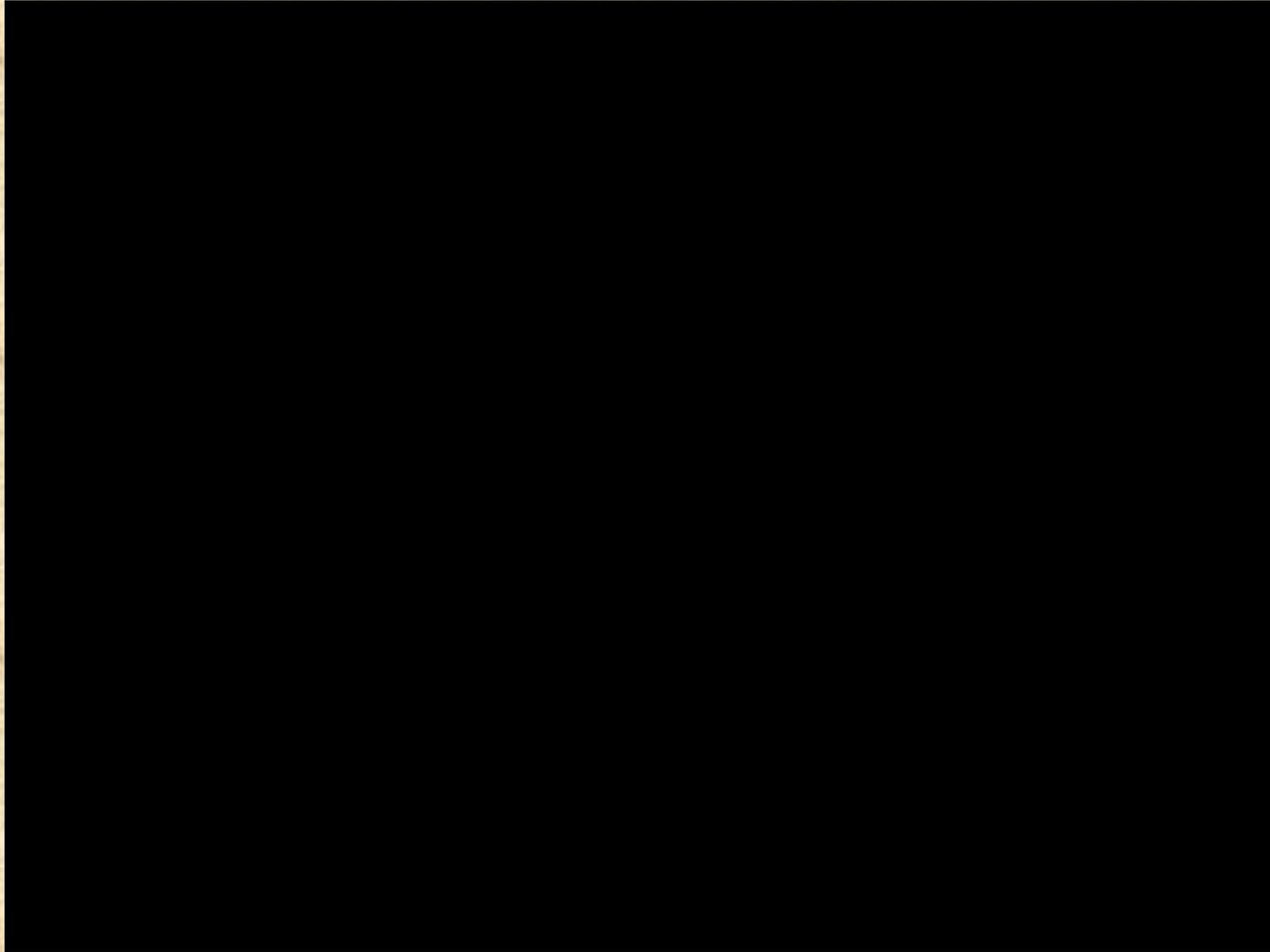
# Harvester Simulator to train employees







# Simulator video



# Harvester Video



# Exca-line

**(Though not brand new, they continue to access former helicopter ground cheaper)**







Trail











# Masticators







# KMC Masticator



# Biomass Removal



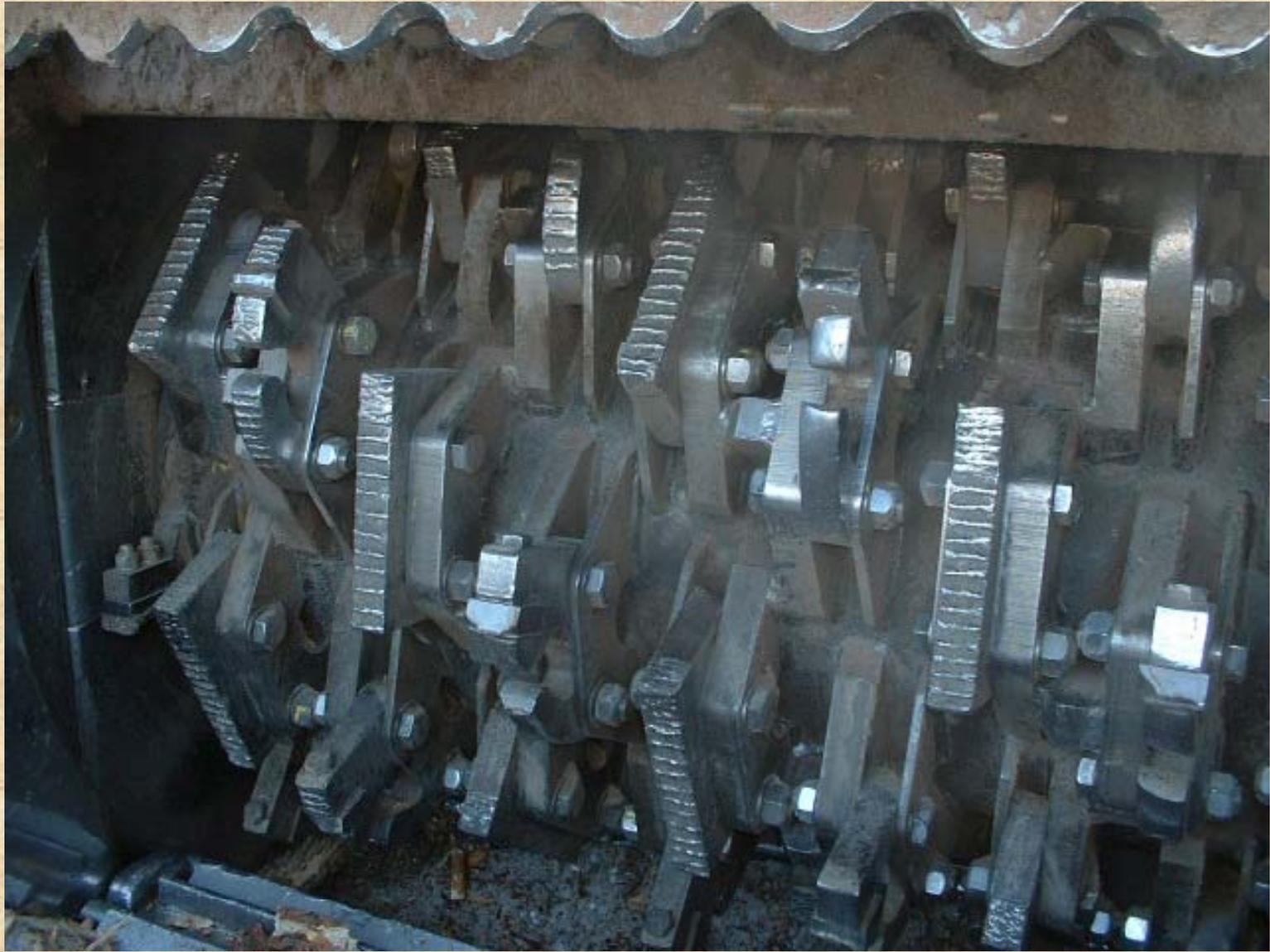
**Grinder for  
Hog Fuel**



**Delimeter/Debarker  
for clean chips**

















**From this**



**To This**







**Timberjack Slash Bundler**

# Underwater Salvage Logging



**Sawfish, Triton Logging**



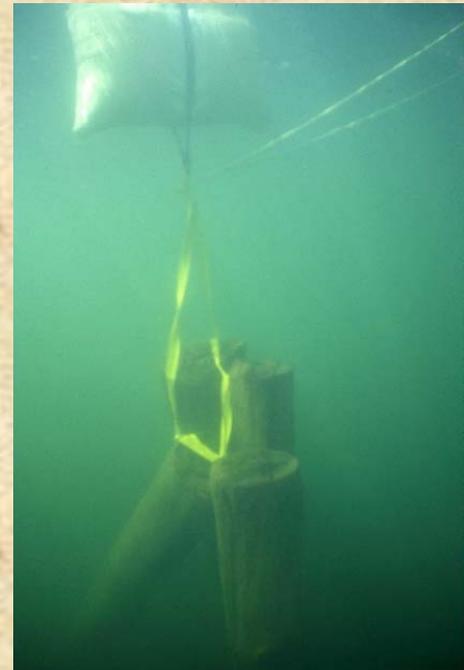


















A diver checks the stamps on a log to determine which mill owned it.



## Air Powered Chainsaw







**New composite Rotors,  
increased efficiency from  
45% to 96%, with less  
horsepower and lower  
fuel costs**

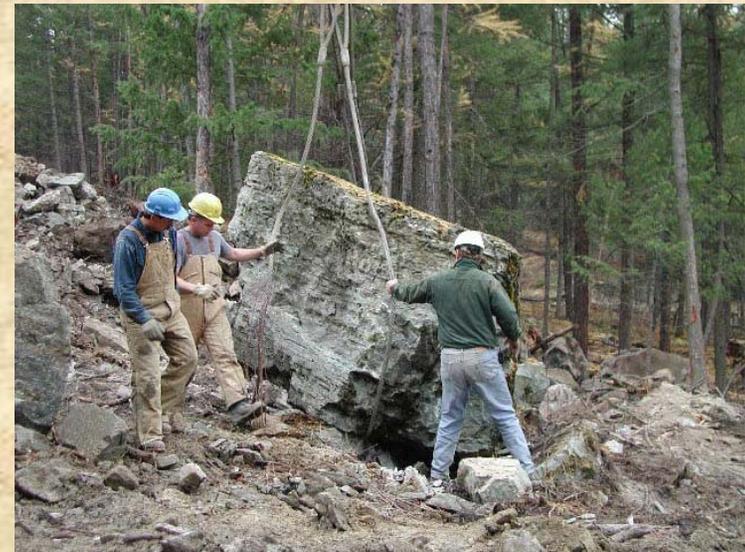


**5 Carbon Fiber Rotors at \$250,000 each. This is one they just dropped from 15' while changing blades.**

# Heliqwest, Heli-harvester



# Beauty Rock from the woods



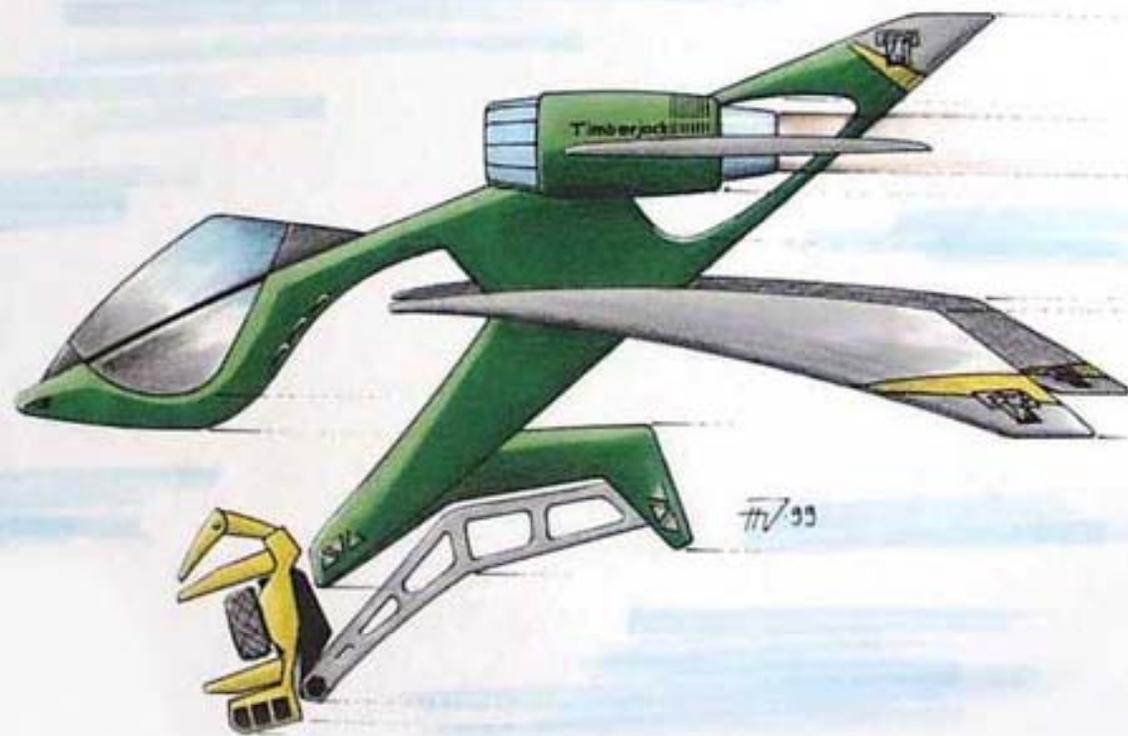


# The Future of Logging?

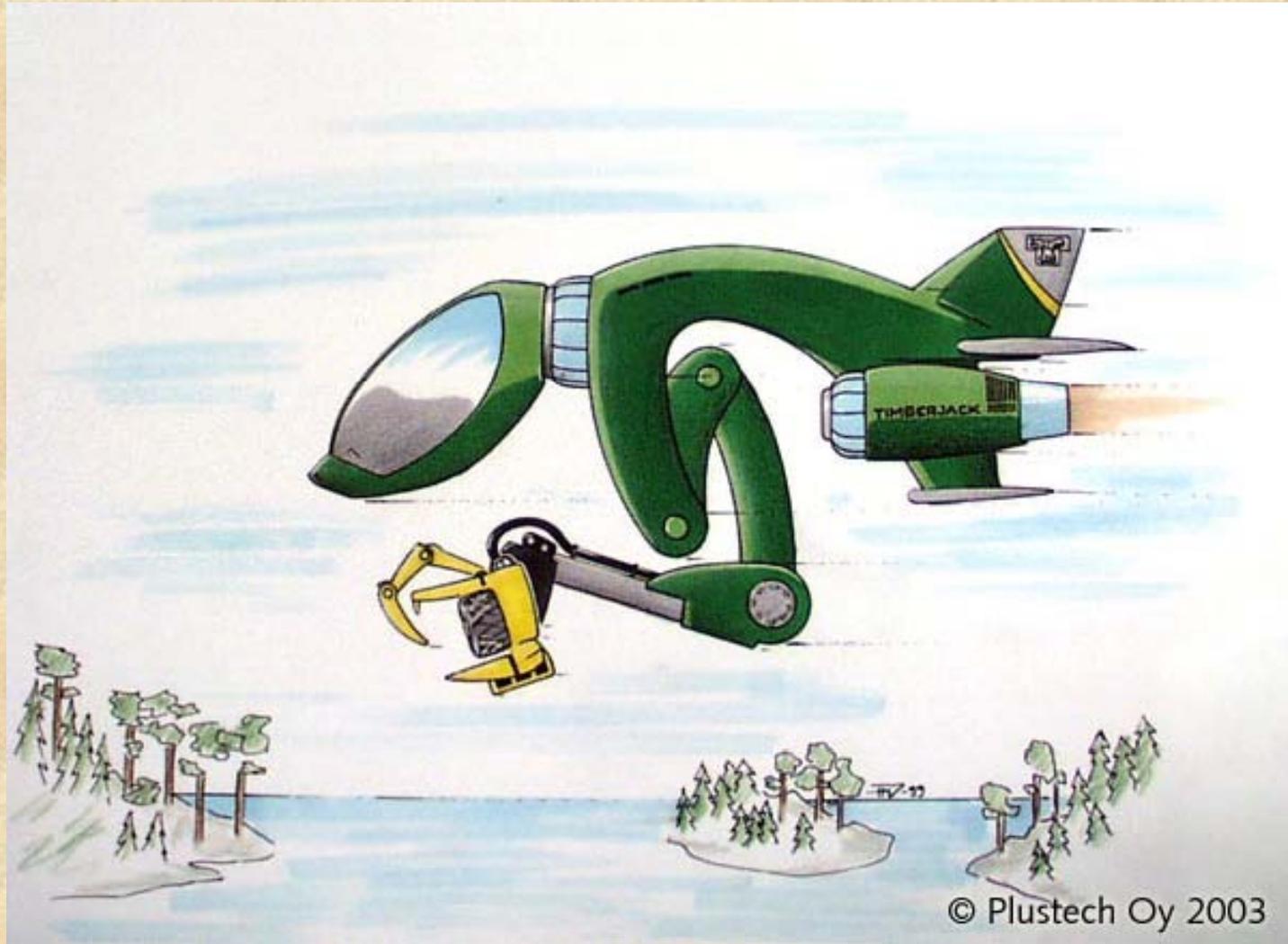




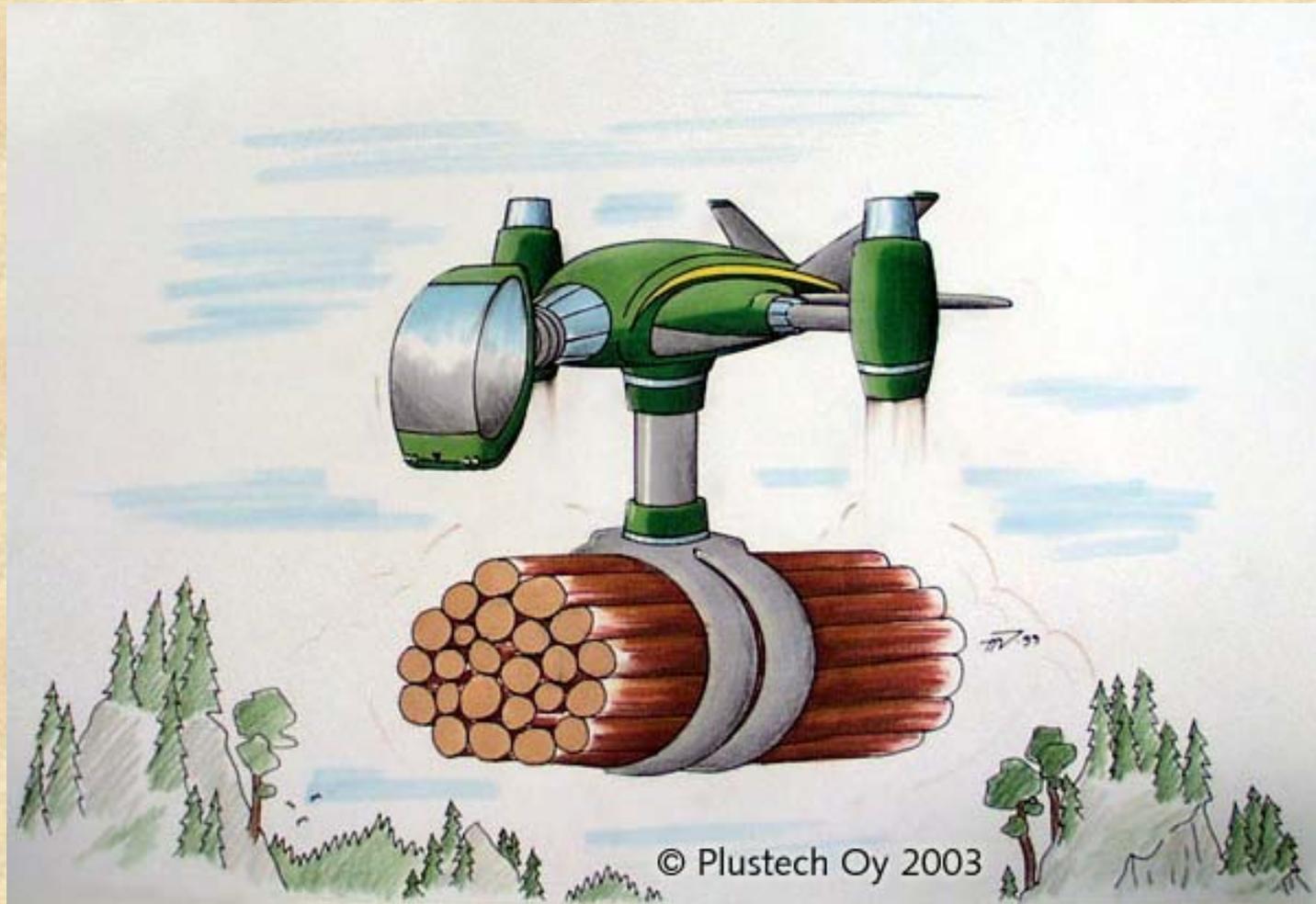
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# The Weird



**Can you guess what this is?**  
(Hint: It's on the ceiling of  
a mine shaft in the winter)

**(The Miserable)**

**You Know You Are Having  
A Bad Day When...**



**Have a  
bad day  
at work  
dear?**



Just a little more and I think I can get it out.



**No, this was not  
my truck**





**He (or she)  
made 4  
different  
undercuts**

**Some Firewooder is damn lucky**

# Getting a D8 Stuck building fire line





# Murphy's Law







**When all hope is gone,  
Go out with a smile**







**DUCK!**



**Yup, it's official, it's  
a really Bad Day**





**It's a bad day when you have to  
fight for your dinner...**



**Miserable day when...**



**Miserable day when...**

**The End**



**Scott Kuehn**

**(406) 546-9304**

**(Call me if you have logs to sell)**