

LOGGERS WORLD

VOLUME 51 NUMBER 5

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Finley's Rigging Shack

"Classic"



Originally printed in
December 1978
And January 1979

We thank you for reading our publications and for buying the products advertised on those pages. By doing this you are keeping us from having to go back to work --- because this business is fun. A continual vacation. Thank you.

WASTE WOOD:

This subject and the fact that so much wood is being wasted is of primary concern to me. In fact if I was looking for a cause to promote and to push this might well be it.

During the elections just passed a big item on many ballots was to allow or not allow the building of more and more Atomic power plants. Some say they are safe and some say they are dangerous. For sure they are more dangerous than safe. That is to say there is less risk in not having Atomic power plants than in having them.

One thing that we can all agree upon is that they are expensive. Now someone is making a lot of big big money here. You can't have all those millions and billions of dollars being spent without someone getting a pocketful of money. Probably lots of people getting rich. Have you read about these costs? Terrific.

In my opinion we don't need these Atomic power plants. There are other sources of power. One big source is Waste Wood. We can utilize this waste wood. Cheaper, easier and more efficiently than by building Atomic power plants. Safer too!

For instance, we could phase out all electric and fossil fuel heating systems and replace these with waste wood. That would take a lot of pressure off of generating electricity in the first place and in buying fuel oils from other countries. We have the waste woods to do that right now.

Do you have any idea of the waste woods that come from our sawmills now? I can't tell you exactly, no one can, but I'll tell you that it is more than we think it is and every bit of it will burn and thus generate steam or electricity or heat.

Here we are tripping over the stuff, spending thousands upon thousands of dollars piling it up, covering it up, burning it up and hauling it away. Sometimes it is amazing at how stupid we can be without trying hard. Here we are buying oil, gas, and electricity at big big prices and spending more money to get rid of our waste

woods.

Of course waste woods and generating electricity or heating homes and factories will cost money. But it will be safe. It will utilize a resource. It will furnish labor and opportunities where it is needed. It will replace the need for atomic power and it will replace foreign fossil fuels.

It won't be cheap to get started, but in the long run it will be the cheapest, safest, cleanest thing we can do.

Back in Winn, Michigan they have got together and are building themselves a power plant to be fueled by waste woods, by so called junk woods.

Wood Energy Company of Winn plans to engineer wood fired plants so small they can be used for small cities, villages or just a group of houses.

Where I live there are six homes, including ours. Wouldn't it be fine if we went together and put up a power plant that would use wood which in turn supply us with power and heat?

It could be done --- with what we have and what we know right now.

January 1979 LOOKING AHEAD

This is the time of the year we all do it --- guess at what is coming and how it is coming and what it is going to look like in seventy-nine. A lot of people make a good living telling you what to expect and how to get ready for it. I am not going to tell you anything --- that you can use --- you aren't paying me to and I



FINLEY HAYS

don't know what is going to happen anyhow. There are a lot of things that have already happened that I don't know anything about.

I don't make predictions because I haven't got the gift. The only way I can make any halfway predictable guesses about what is going to happen is to look back and see what did happen.

One thing then is that we are going to have more rules, regulations, and more government. There is a move afoot to set up a new Bureau having to do with combining the efforts of the B.L.M. And the Forest Service. New department. That is what they want. Which means more government employees, more rules, more regulations and so forth. Then we'll get another department and the cycle extends and expands.

I don't want to go down thru past happenings chapter by verse and make any predictions based on what happened. It isn't that hard to see what has been happening and guessing that more of the same is probably coming. You can do that as easily as I can --- probably better.

This is the time of the year that many businesses have a semi-slack time --- even as ours does. Right after the first of the year comes the long miles and 16 hour days in order to meet the work load. Okay --- I look forward to that with pleasure.

This country is not improving --- the quality of life for its citizens.

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LOGGERS WORLD MAY 2016
zens is not getting better, the leadership is not showing outstanding qualities of leading, statesmanship is in small supply, world events are alarming --- but there is nothing new in that. We seem to be getting used to living on the brink of man-made disasters. We are so used to it that much of our dread and fear is evaporating. I hope there is a good reason for this hope --- and indeed I believe there is.

It is said that the hourly productive capacity of working people is going down hill which reflects in less purchasing power for each person working. I guess that is true and maybe things will get much worse before they get better.

Our main worry around here is that newsprint is getting in short supply due to a lot of mills being shut down. This may cause us to cut back or cut out publishing Loggers World some months. Will worry about that when and if the time comes and we can't get any paper.

Usually in shortages there is some available --- the price just doubles.

It is a good time to look at the positive things. The 'what might happen' things would scare a brass statue into turning green. We live, I am sure, in the best country in the world. That is a statement full of thankfulness and hope. Sometimes in the face of all the little aggravating things that are imposed upon us it is hard to remember that genuine and true fact, 'we are living in the best country in the world.' We can take heart and hope from that because it is basically true.

The Western part of the United States is the best part of the best country. I know this is only an opinion and because I believe it then it becomes true for me. If you believe that about any other section, then your belief makes it true. I thank our God many times for where I live and the work that I do. I can't improve on that, not by a quarter of an inch I couldn't.

I know the best people there are. There is something about loggers that is genuinely different from anyone else. I won't delve into the reasons or the possible reasons for that difference but thank the good Lord that difference is there. This difference and directness is one thing that makes them the people they are,

the superior people they are. I've got to keep telling them they are superior because one of the ways they are different is that they are superior without realizing they are. They under rate themselves. This in a world and in a civilization that tends to over brag and to over rate themselves.

My resolutions for this coming year? Haven't thought about that until just now. Not going to make any specific ones. Not that I don't need any, but I've never kept many New Year's Resolutions so far and am realistic enough to know that I'm not going to make any big improvements just because I resolved to do so.

Am going to try to show constant improvement in all ways. To grow and to learn. To do what we do, only do it more and better. To become kinder in all relationships. To judge less and be more understanding of my fellow beings. To be more thankful for my work, my country, my friends, my wife, my family, my business, and my enemies.

To take more time for things other than work. (I've tried this before and haven't done well at it.)

Most of all at this time in my life I must guard against unhealthy habits (I've got a gunnysack of them) and against unhealthy thinking. I must keep learning, stay curious, not lose the enthusiasm so that I do not become obsolete.

Keep learning --- keep on doing what works, keep trying what might work and quit doing what won't work.

I expect 1979 to be a great year. One full of excellence, of

work, of health and of profitable experiences. A year of joy and of good living. A year to be remembered as a 'great year'. I expect this for me and I hope it for you!

Happy Nineteen Seventy-Nine!

A Few Thoughts from Kevin in 2016

As I read what Finley wrote back in 1978 and 1979, it struck me that I am now the same age (60 years old) as Finley was when he wrote these words. I can truly say that I feel the same feelings that he did about being in this business and working with the people we work with.

Nancy and I truly appreciate our readers and those who buy the products advertised on these pages. We appreciate your support of the magazines and your feedback -- both positive and negative. We love the fact that you consider this YOUR magazine and we strive to include the things you ask for and the things you find interesting.

Like Finley, I have a profound respect and admiration for loggers and log truckers. You *are* genuinely different from the rest of the world. You still under rate yourselves while living "in a civilization that tends to over brag and to over rate themselves."

Somehow, you have managed to keep the good qualities Finley admired when the rest of the world has hopped on the bus to crazytown.

Well done, keep moving forward!



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BOARD MEMBER RUTH SHANER stands in front of the spar pole at the Camp 18 Logging Museum. She was museum founder Gordon Smith's accountant when his father brought him into her office at the age of 18.

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FEATURED IN THIS MONTH'S ISSUE



CAMP 18 LOGGING MUSEUM

Located in Elsie, Oregon the Camp 18 Logging Museum was officially formed in 1988 with the mission to preserve the rich logging heritage in Northwestern Oregon. Museum founders Gordon Smith and Maurie Clark began the Highway 26 attraction that has over 35 pieces of important logging history equipment and also honors fallen area loggers with the Camp 18 Memorial.

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PC120-6; PC130-6; PC138US-2;
PC150-5; PC160LC-7; PC200LC-6;
PC220-6E; PC228USLC-3;
D155AX5; D355A; WA 200-1;
WA180-1; WA400-1; WA320-1;
WA180-3; WA250-3; WA500-1

TIMBERJACK

608; 628; 1210B; 2628; 1270B

HITACHI

ZX27U; ZX120; EX150; EX160;
ZX200LL; EX200-5; EX60;
EX200LC3; EX220-3; ZX330
ZX350LC; EX330LC5; EX400LC3;
ZX450LC; EX550LC5; EX700;
EX750-5

VALMET

EX10; 500T; 860; 892

VOLVO

A25C 6x6 Rock Truck; L330C;
L120E; L180C; L220E

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THE CAMP 18 LOGGERS MEMORIAL was built in 2008 and currently houses 400 plaques that are dedicated to those that worked in the logging industry and have fallen. Originally it was planned to have name tags on large logs but after an outpouring of support from the logging community in Northwestern Oregon, the Camp 18 Logging Museum knew they had to make something much grander in scale.



1997 CAT 527, Esco swing grapple, bunching grapple, 6-way dozer, tri-rails, near-new V-Trac rails/sprockets, 15,075 hours on meter.....\$158,000



2011 JD 648H, direct drive, single-function boom w/grapple, winch, 2 new/2 very good 30.5 tires, runs & shifts well, 5,590 hours.....\$99,500

BOOM & GRAPPLE FOR JD 648G II, dual-function.....\$5,500



2008 CAT 535C, shows 7,526 hrs w/500 hrs on transmission by CAT dealer, cab, dual boom, grapple, NO winch, 2 new/2 very good 30.5 tires, 20-hole wheels, HD axle, runs & shifts well.....\$87,500



2006 CAT 525C, dual-function boom, grapple, winch, 2 NEW and 2 very good 30.5 tires, cab, AC, 8,745 hours, runs & shifts well.....\$89,500



1996 CAT 515, Esco boom & grapple, winch, 23.1 tires, just off job.....CALL

MANN BRUSH RAKE FOR CAT D4H/D5H, approx. 91" wide, 53" tall pin to tip, 7 tines.....\$3,000

CAT 966C LOG FORKS, pin on, fair condition.....\$2,500

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2006 KOBELCO SK250LC, Jewell shovel logger, Jewell grapple, H&W, 24" tracks, forestry cab, rock guards, good undercarriage, runs well, 12,850 hrs....\$85,000



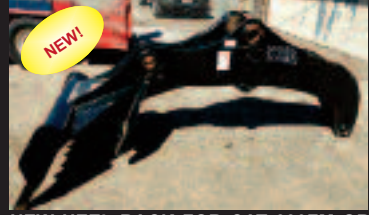
1999 THUNDERBIRD 1236DL, Pierce HSD 3345 upper, good working order, just off job, estimated 17,062 hours, consigned, call for location.....\$57,500



2005 JD 759G FELLER BUNCHER, saw head, good undercarriage, JD engine, tilt cab, just off jog, 12,280 hours (325 hours since pictures were taken), consigned, call for location.....\$90,000



1996 CHRISTY 3DTK YARDER, 6 cyl. Cummins, 2,000' 3/4" swedge skyline, approx. 2,000' 5/8" mainline, haywire, guy lines, NO carriage, 75mhz radio system, approx. 6,500 original hours, mounted on Freightliner w/Cummins, heavy 2-speed rear ends, biscuit suspension, good clean unit, yarded logs until October 15, 2015, owner is downsizing, call for location.....\$75,000



NEW!
NEW HEEL RACK FOR CAT 330FM OR 568FM, unused, with some pins.....\$7,500



2016 RANDCO TANK
1999 STERLING L8513 2,000 GL WATER TRUCK, 2016 Randco tank, hose reel, hyd fill, CAT eng, manual trans..\$32,000

PIERCE HEEL RACK, removed from CAT 229 log loader, good condition, approx. 99" long, 3" main pin.....\$2,500



NEW!
PROLENC SNUBBERS for skidders, in stockCALL



2016 RANDCO TANK
2008 IHC 4300 2,000 GALLON WATER TRUCK, 2016 Randco water system, front & side sprays, hose reel, clean, under 26,000 GVW, 196,200 miles.....\$46,000



2007 CAT 328D LCR, smooth-edge clean up bucket, hydraulic QC, auxiliary hydraulics, 10'6" stick, very good condition, 6,148 hours.....\$130,000



2010 VOLVO EC210CL, QC, bucket, 9'6" stick, aux hyd, AC, rear view camera, 4,311 hours.....\$80,000



NEW TIRES!
2013 CASE 621F, 3rd valve, JRB QC, 3.5 yard bucket, new 20.5x25 26-ply tires, AC, heat, 2,943 hours, lease return, clean.....\$100,000

2012 CASE 621F, 3rd valve, QC, 4-yard bkt, ride control, NEW 20.5x25 tires, AC, heat, radio, lease return, 4,428 hrs.....\$90,000



2013 Hyundai HL757TH-9, Tier III Cummins, 3.6 yd bucket, hyd QC, good 20.5x25 tires, cab, AC, 2,604 hrs, good loader.....\$78,500



2015 RANDCO TANK
2008 IHC 8600SBA 4,000 GALLON WATER TRUCK, 3 axle, Cummins engine @ 410 hp, 10 speed, air ride, NEW 2015 Randco water system, front, side & rear sprays, hose reel, 8 new drive tires, 489,560 miles.....\$57,500



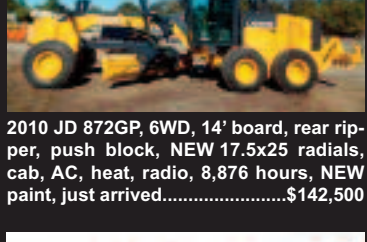
2011 CAT 140M VHP, 14' board, rear ripper, push block, new 17.5x24 tires, radio, AC, 5,230 hrs, clean.....\$137,500



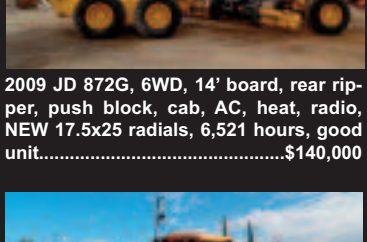
2012 VOLVO G990, Tier III, 265 hp, Volvo 11 speed transmission, 16' board, push block, rear ripper, joy stick controls w/steering wheel, 20.5 radials, super clean, prior demo rental unit, 967 hours, snow wing available.....\$150,000



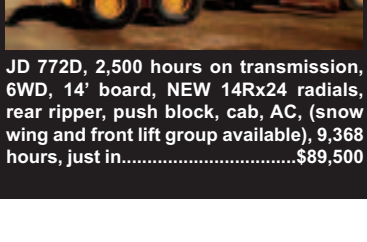
2006 VOLVO G990, 16' board, tall cab, aux hyd, very good 20.5x25 radials, auto grease, plumbed for wing or rear ripper, 5,624 hours.....\$79,000



2010 JD 872GP, 6WD, 14' board, rear ripper, push block, NEW 17.5x25 radials, cab, AC, heat, radio, 8,876 hours, NEW paint, just arrived.....\$142,500



2009 JD 872G, 6WD, 14' board, rear ripper, push block, cab, AC, heat, radio, NEW 17.5x25 radials, 6,521 hours, good unit.....\$140,000



JD 772D, 2,500 hours on transmission, 6WD, 14' board, NEW 14Rx24 radials, rear ripper, push block, cab, AC, (snow wing and front lift group available), 9,368 hours, just in.....\$89,500

PRESERVING THE PAST



SAVED FOR THE FUTURE is this two-speed yarder from Willamette Iron and Steel. It was shipped to the Nehalem Timber and Logging Company of Scapoose, Oregon in 1925 and then to the Clark and Wilson Lumber Co. of Scapoose Oregon in the 1930s. Newman and Svoboda acquired it in the early 1940s. It was spared from being scrapped in 1987 when it was moved to its present location in 1987. It was a popular machine used in the heyday of steam logging and the only one of its kind to exist in the state of Oregon.

Camp 18 Logging Museum Shines Spotlight on Industry's Past and Honors Those Fallen in the Woods

Story and Photos
By Brandon Hansen
For *Loggers World*

Heritage can be a very important thing. There's a place in Northwestern Oregon that has a whole landing-full of it.

When it comes to the Camp 18 Logging Museum - located in Elsie, Oregon - visitors step in the shadow of a 160-foot spar pole and step back in time. The museum sits right on Highway 26 which is Portland's main artery to the coast. The highway serves as a good supply of people to check out more than 35 interesting and historic logging machines the museum has to offer. Back before Doosans there were Steam Donkeys. Before Stihls, there were misery whips.

And since 1988, there has been Camp 18 Logging Museum, which set

(Continued on Page 11)
See "Camp 18"

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(Continued from Page 10)

out to preserve the logging history that is near and dear to the area it serves. It gives a real-life look at things you usually can only see in black-and-white photos, but thanks to the foresight of museum founders Gordon Smith and Maurie Clark - the history of logging is so close you can touch it. The Board of Directors continues to accept donations representing the logging industry.

Smith and Clark's dream was Camp 18 Logging Museum and they went around for years collecting pieces of equipment to display. In the 1980s, the museum applied for non-profit status and a board of directors was established. Now the board accepts appropriate logging memorabilia, maintains and operates the day to day activities of the museum. When they need a piece of machinery moved to the camp, they give Mike Pihl a call - he's the guy with a lowboy and the owner of Vernonia, Ore. mainstay Mike Pihl Logging Inc.

"It's something I don't take lightly," 10-year board member and Vernonia logger Mike Pihl says. "The reason we do this is to preserve Gordon's legacy and keep the museum alive the way Gordon started it."

Unlike artifacts behind glass, a lot of this machinery comes with a story of who ran it. Museum president Mark Standley admits that a lot of these machines become scrap if they're not saved by the museum. In a way, the place is saving the

(Continued on Page 15
See "Camp 18"



ONE OF THE ORIGINAL Garrett Skidders stands with rubber tires still inflated and a very, very early serial number. Originally owned by Bill Turner and Keith Wolfe of Turner Logging, the two continue to be a story of Camp 18 after passing away. "They could go out and get more logs better than most crews but then they'd be the first ones at the bar by 2 p.m.," said Museum President Mark Standley.

YOUR FORESTRY EQUIPMENT PARTNER



2008 Cat 320D FM
S/N GKS00193
Waratah head, attachment adapter for head, 12,600 hrs., ready to work

\$195,000



2004 John Deere 1710D
S/N D000525
Forwarder, 15,000 hrs., ready to work

\$185,000



2005 Timbco 475EXL
S/N CW4C2641080405
24" 360 degree rotation head, new bottom, 6,507 hrs., ready to harvest

\$161,600



1987 Cat 225B
S/N 2ZD00334
50" single pin grapple, raised hydraulic tilt cab, swivel guard, 24" triple bar track pads, full length rock guards, ready to work

\$225,000

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CAMP 18 LOGGING MUSEUM BOARD MEMBER and Vernonia logger Mike Pihl stands next to a 1943 military truck that belonged to his next-door neighbor Marvin Meyer. It was one of the first self-loading log trucks. "He was a well-respected logger," Pihl said. Pihl added that being on the board of directors is something he doesn't take lightly. "The reason we do this is to preserve Gordon's legacy and keep the museum alive the way Gordon started it."



GORDON SMITH (pictured here with his family) started the museum with Maurie Clark and it's been a labor of love ever since. He had the foresight to realize the spot alongside Highway 26 would get plenty of traffic from nearby Portland, Ore. to the coast and set things in motion for the museum. Smith fell and transported the 160-foot spar tree that towers over the museum today. He's also got an encyclopedic knowledge of nearly all the machines on the site.

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Heavy Duty. Grip for all conditions. "H" sections are easily removed for adjustment and replacement in the field. Consider SMT for superior fit and ride.

SMT & SMT Combo

A versatile traction chain for snow clearing, forestry and construction. Excellent grip, smooth ride and virtually trouble free performance.

Oversized studs increase grip and last longer!

SMT pattern holds the chain on top of the tire lugs, keeping the studs in constant contact with the terrain SMT Combo fits more than one tire size. Chain tightener is recommended for heavy chains.

9.5mm-3/8", 11mm-7/16" SMT 13mm-1/2", 16mm-5/8", 19mm-3/4" SMT and SMT Combo.

Logging Music *recently re-released and re-mastered!*



The Snag Fallers Ball
\$15.00
Plus Shipping

"The Snag Fallers Ball" - A light hearted collection of original songs about logging in Oregon and Alaska, and was first released in 1988. Craig wrote nine of the eleven songs on the album and co-authored two others with Don Beck, a long time friend, logger and musician also from the small town of Mapleton, Oregon.



Endangered Species
\$15.00
Plus Shipping

"Endangered Species" - In 1989 Craig & Terry went back into the studio to record their next album. Craig wanted to share his point of view through music which addressed some of the political issues facing the logging industry at that time.



You Hold Me Still
\$15.00
Plus Shipping

"You Hold Me Still" - In 1992 after many requests to record a gospel album they again returned to the studio and recorded eleven original songs. Two of the songs are co-written - one with Don Beck and one with Rick Barrows.

ALL 3 CD'S **\$40.00**
Snag Fallers Ball, Endangered Species & You Hold Me Still
Plus Shipping



Songs from the Siuslaw
\$20.00
Plus Shipping

"Songs from the Siuslaw" (pronounced SY-u-slaw) is a heartfelt tribute to the hard working men & women in the logging industry and dedicated to the many men who have lost their lives doing one of the most dangerous and unappreciated jobs in the world. This a double CD set that was recorded live in Florence, Oregon in 1999 at the Florence Events Center. The first CD is saw-shaped and will play in top-loading and tray-loading CD players ONLY. It comes with a 20-page booklet- filled with humorous lyrics and old logging photos.

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Welcome To Camp 18 LOGGERS MEMORIAL



CAMP 18 LOGGING MUSEUM PRESIDENT Mark Standley stands with his wife Jane in front of the Camp 18 Loggers Memorial, which was built in 2008. Standley has been involved with Camp 18 for 15 years and also owns Log-Safe Inc. which provides safety services to the logging industry.



THE FIRST FELLER-BUNCHER on the market was a four-tracked Allied feller buncher that was designed to climb over logs and built just down the road from Camp 18 in Tigard, Ore.



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LOG LOADERS

| | |
|--|-----------|
| 2004 Cat 322C, w/Pierce grapple, forestry cab, rblt motor, 15,400 hrs..... | \$95,000 |
| 2008 Cat 320DFM, w/Pierce grapple, 16,000 hrs, u/c 70%, new pump, rblt grapple, auto greaser | \$115,000 |
| 1995 Cat 320B, w/Pierce grapple, 16,000 hrs, new u/c, drive motors, rebushed & pins..... | \$75,000 |
| 2011 Cat 330DFM, w/Cat grapple, 9,200 hrs, nice loader | POR |
| 2008 Cat 330DFM, w/rblt Cat grapple, very good u/c, new pump, auto greaser, 16,000 hrs..... | \$210,000 |
| Cat 330B, w/Pierce grapple, recent u/c..... | \$57,500 |
| 2005 Doosan 300, w/Jewell grapple, rblt motor & cyl..... | \$92,500 |
| 2013 JD 2454, W/Pierce grapple, 5,800 hrs, good u/c, xlent loader | \$262,500 |
| 2006 JD 2054, w/tong thrower package and Jewell grapple, recent u/c, 15,700 hrs | \$117,500 |
| 2008 JD 2554, Jewell grapple, 15,000 hrs | POR |
| 2007 Madill 2850C, new u/c, recent motor & pump, 13,000 hrs..... | \$162,500 |
| 2013 Hitachi ZX-240, w/Pierce grapple, forestry cab, 6,000 hrs, new motor, xlent cond..... | \$205,000 |
| 2013 Hitachi ZX-370, w/Jewell grapple, 7,500 hrs, good cond..... | \$335,000 |
| 1996 T-Bird 1242, w/rblt Cat power, good u/c | \$85,000 |
| 2008 Kobelco SK 290, w/Jewell grapple, 15,000 hrs, good cond | \$92,500 |
| 2005 Kobelco SK 210, w/Jewell, recent pump & u/c, 19,000 hrs..... | \$72,500 |
| 2008 Kobelco SK 350, w/Jewell grapple, 11,500 hrs | \$115,000 |

DELIMBERS

| | |
|---|-----------|
| 2014 JD 3754, w/2014 Waratah 624C, full rotation, xlent cond., low hrs | POR |
| 2012 JD 2154, w/2012 Waratah 622B, 9,800 hrs, very nice machine | \$185,000 |
| 2008 JD 2554LL, w/08 Waratah 622B, 12,700 hrs, auto greaser, logger front, very good cond..... | \$179,500 |
| 2006 JD 2054, w/06 Waratah 622B, recent new motor & rblt pump, good u/c..... | \$72,500 |
| 2005 JD 3554, w/2005 Waratah 624, complete rblt head, new pump, low hrs on motor, good u/c..... | \$165,000 |
| 2005 Madill 1200, w/05 Waratah 622B, 14,000 hrs, c/w 22" hot saw head, 0 tail swing buncher | \$125,000 |
| 2013 Link-Belt 290X2, w/2013 Waratah 623C, full rotation on head, 8,000 hrs, xlent cond..... | \$299,000 |
| 2006 Link-Belt LX210, w/2006 Waratah 622B, good u/c, forestry cab | \$60,000 |
| 2006 Hitachi 200, w/2006 Waratah 622B, 17,000 hrs, good cond | \$72,500 |
| 2011 Tigercat 855C, w/2008 624 Waratah Super, 9,500 hrs, good u/c, 1 season on rblt head..... | \$230,000 |
| 2004 T-Bird 840, w/Keto 850, good u/c | \$55,000 |
| 2006 Cat 320C, w/06 Waratah 622B, 13,000 hrs, xlent cond, road builder front..... | \$110,000 |
| 1999 Cat 322B, w/2004 624 Waratah, auto greaser on carrier and head, extended frame | \$145,000 |
| 2003 Cat 330B, w/ 624 Super Waratah, good cond..... | POR |
| 2006 Cat 320CLL, w/06 Waratah 622B 8,000 hrs logger front w/ Cat grapple very good cond | POR |
| 1994 Cat EL240LL, w/ Waratah 620 log loader front runs good..... | \$29,500 |
| 2001 Cat 320B, w/DT 4400, recent repairs & spare parts, 14,000 hrs | \$80,000 |
| 2013 Link-Belt 290X2, w/Denharco 4450, 8,900 hrs, xlent cond | \$349,500 |
| 2006 Link-Belt 330LX, w/2010 Pierce 3348 limber, good u/c, 12,000 hrs, new boom, chain..... | \$165,000 |
| 2006 Link-Belt 330LX, w/Pierce 3348 limber, new boom, chain & drive motor, 18,000 hrs | \$90,000 |
| 2002 Link-Belt 240, w/Denharco DM 4400, forestry cab | \$52,500 |
| 1996 Hitachi 270, w/DM 3500, recent boom & boom drive, good cond | \$29,500 |
| Madill 2800, w/Denharco DM 3500 | \$45,000 |
| 2005 Madill 1236, w/DM 4400, good u/c, recent bushings, nice cond | \$85,000 |
| 2005 Waratah 622B, complete rebuild, with controls..... | \$65,000 |

BUNCHERS

| | |
|--|-----------|
| 2005 Tigercat LX830, rblt 23" saw, good u/c, recent repairs, 17,000 hrs..... | \$145,000 |
|--|-----------|

| | |
|---|-----------|
| 2007 Tigercat LX870C, 23" Tigercat 5702 saw, new Cummins power, good u/c, 10,100 hrs, exc. cond.... | \$175,000 |
| 2007 Madill T2250C, 24" Madill 350 rotation saw, new u/c & recent motor, 13,800 hrs..... | \$169,500 |
| 2005 Timbco 445EXL, w/Quadco 2900-360 rotation, 11,000 hrs, recent u/c, motor & pump..... | \$169,500 |
| 2004 Timbco 445EXL, w/Quadco 22" hot saw, 12,000 hrs, good cond..... | \$135,000 |
| 2001 Timbco 445D, w/Quadco 22" hot saw, 12,500 hrs, good u/c, c/w 28" bars saw also | \$65,000 |
| 1999 Timbco 445D, w/32" bar saw, good u/c, 12,000 hrs, recent motor, pump, travel motors, good u/c..... | \$79,000 |

SKIDDERS & DOZERS & GRADERS

| | |
|--|-----------|
| 2010 JD 848H, dual fnctn 360 grapple, 7,000 hrs, 1000 hrs on new motor, good rubber..... | \$130,000 |
| 2010 JD 748H, bunching grapple, dual fnctn boom, rears 90%, front 30%, 1 set chains, 5200 hrs | \$145,000 |
| 2003 JD 748G III, dual function bunching grapple, 10,000 hrs, good rubber, c/w chains | \$60,000 |
| 2006 JD 648G III, dual function bunching grapple, 8,000 hrs, good cond., new rubber on back..... | \$85,000 |
| 2005 JD 648G III, dual function boom, new motor, torque convert drive, w/chains, good rubber | \$55,000 |
| 2014 Tigercat 630E, dual function boom, bunching grapple, very 70 % tires and chains 3,800 hrs | POR |
| 1999 T-J 460, dual function boom, bunching grapple, good rubber, nice skidder | \$55,000 |
| 2011 Cat 527, swing boom, only 2,200 hrs, good cond | \$310,000 |
| 2012 Cat 517, swing boom, only 2,800 hrs, auto lube system, new rails & shoes, like new cond..... | \$250,000 |
| 1977 Cat D6D, w/winch and log arch, good condition | \$37,500 |
| Cat D6C, w/winch, angle blade w/tilt, good u/c..... | \$24,500 |
| Cat D8K, w/winch, angle blade w/tilt, screen & glassed cab, sweeps, work lights..... | \$30,000 |

YARDERS & SWING YARDERS

| | |
|---|-----------|
| Madill 122, just completed major rebuild, 8V92 power 3 guylines | \$375,000 |
| Washington 78SL, 3 guylines, rblt Detroit 6V71T power, good u/c, nice cond, run all logging systems | \$160,000 |
| Diamond D425, Cummins power, 3 guylines, very good lines, xlent yarder, low hrs | \$680,000 |
| Cat 315C, w/2 Allied winches, w/mid mount boom | \$87,500 |
| L-B LS98, Cat power, Allison trans, 3 guylines, hyd. gantry, new circle and hocks, excellent u/c..... | \$187,500 |
| T-Bird TMY 6150, c/w Acme car, ele chokers, good lines | \$395,000 |
| Madill 171, Cat power, hyd u/c and jacks, good lines | POR |
| Madill 071, rblt. Detroit 8V92T & torque, 4 guylines, good u/c, high speed gear, w/ lines..... | \$119,000 |
| available with new Cat 325 hyd uc 70' telescoping tube, 5 guylines Allison trans | POR |
| T-Bird TY40, Cat 518 skidder mount, rblt drum set, Cat power, c/w Eaglet & new radio set | \$165,000 |
| Koller 500, trl mount, w/Eaglet and rigging..... | \$85,000 |
| Christy 3D, trl. mount, Cummins power, Allison trans, 50' tower, w/ Eaglet car | \$60,000 |
| 1997 T-Bird TY80, trl T100, 7 guylines, Cummins 855, Twin Disk 5 speed trans, 5 drums, Eatons | \$275,000 |
| T-Bird TY90, T100HD trl, 8 guylines 1 3/8", Cummins KTA 1150, new paint, xlent cond | \$450,000 |
| T-Bird TY90, T100HD trl, 7 guylines 1 3/8", Cummins KTA 1150, good lines, ready to log..... | \$275,000 |
| T-Bird TMY45, self prop on rubber, rblt 903 Cummins & torque, good lines, ready to log..... | POR |
| Washington 127, Cat power, 2 speed twin disc trans, 3 stage torque, 90', w/rigging & blocks | POR |
| Skagit 737, T100 trl, 7 guylines 1 1/4", Cummins 855, Allison, water on all drums | \$169,500 |

MOTORIZED CARRIAGES

| | |
|--|----------|
| 2013 7900, excellent cond | \$70,000 |
| Boman 6 | \$55,000 |
| 2010 Boman M5, good cond., w/radios..... | \$50,000 |

TRUCKS

| | |
|---|---------------|
| 4- 2007 KW Log Trucks, w/ trailers, Cummins power | CALL FOR INFO |
| 3- Fire Trucks, w/live reels, tools, ready go | CALL FOR INFO |

HERMAN DOTY labors in the newest addition of the Camp 18 Logging Museum - a real, working blacksmith shop. Doty is from Rockaway Beach, Ore. and keeps the flames of the forge cooking at 2,200 degrees with coal trucked in from Kentucky. "I grew up with this," Doty said. "The equipment was my grandfather's. I did this a lot with my father, he always had a forge."



**LOGGERS WORLD
VIDEO**

Use your smartphone to download a QR code reader app and scan this square to see the Camp 18 Logging Museum Blacksmith Shop.



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CAMP 18 LOGGING MUSEUM VOLUNTEER Mike Baldwin stands next to the place's "head mechanic" Peter Wolfgram. Wolfgram is a mechanic for J.M. Browning and does plenty of work on the machines around the museum to help preserve them from the ultimate enemy of Father Time. Many of the parts have to be made from scratch.

(Continued from Page 11)

past for future generations.

"It's not just a tourist attraction but it shows visitors from the city what loggers have taken out in the woods," Pihl said. "There's so many negatives you hear about logging and this really puts a positive spin on it."

The museum is comprised of machinery donations, since most are pieces that have been sitting in the driveway for a long time and someone's significant other wanted the place cleaned up.

"People know about Camp 18 Logging Museum and they end up having a piece of machinery," Standley, who also owns Log Safe Inc., said. "They'll contact us and say they'd like to donate and we'll vote as a board if we want to exhibit it on the property."

The board looks for historical and unique pieces of machinery. Equipment maintenance is carried out thanks to the efforts of Peter Wolfgram, who is a mechanic for J.M. Browning. He's the mad scientist of the bunch, making parts that don't exist anymore and working on machines and what equipment he can keep in surprisingly working order.

"It's kind of entertaining with all these, and it's just fun," Wolfgram said.

A massive ancient steam donkey on sleds big enough to be train cars - not to be confused with the actual train cars at the museum that serve as the restroom - serves as a centerpiece.

There's also a four-tracked Allied feller buncher - the first feller buncher on the market - that was designed to climb over logs and was built just down the road in Tigard, Ore.

There's also an original Garrett skidder with rubber tires and a very early serial number. Owned by Bill Turner and Keith Wolfe of Turner Logging, the two were great guys before they passed

away and continue to be part of the story that is Camp 18 Logging Museum.

"They could go out and get more logs better than most crews but then they'd be the first ones at the bar by 2 p.m.," Standley said.

Board member Ruth Shaner remembers plenty of great stories from the area. She was Smith's accountant when his dad brought him at the age of 18 into her office and told her to keep him out of trouble. She signed the original papers for the museum board of directors with Maurie Clark.

Now at age 90, she's impressed with what Camp 18 Logging Museum has become and where it's headed. She's working

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(Continued on Page 18)



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DARELENE WILCOXEN helps handle the plaques that get placed in the Camp 18 Logging Memorial. About 25 plaques get placed every year and Wilcoxon says that a lot of people take ownership of the memorial and find it a place to honor lost love ones. **MIDDLE:** Board member Allina Schmeltzer got involved with Camp 18 after her dad Mark Schmeltzer passed away. She now helps put out a newsletter for the museum called "The Last Log."



HAVING LOGGED FOR 20 YEARS, Aaron Breckenridge now works construction in the Portland area and is an invaluable board member at the Camp 18 Logging Museum. He was able to put in the new entryway for the museum with logs donated by Everson Logging.

Camp 18

(Continued from Page 15)

on getting everything labeled on the site. Sam Churchill was also an original board member and they dedicated the road that weaves through the museum to him after he passed away.

Aaron Breckenridge - who logged for 20 years and now is in construction - has proved to be an invaluable board member for the museum. Breckenridge is able to use his construction expertise to prepare the property for additional machines. He also put the new entryway into the museum from Highway 26 with logs donated by Everson Logging.

Breckenridge said since he's usually driving back and forth on the highway anyways with his busy construction company that it's easy to stop by and help out when needed.

"I like the idea of what Camp 18 stands for," Breckenridge said.

That newest addition for the museum is a live blacksmith shop that would have been a welcomed addition to a logging camp back when it was necessary to manufacture things right next to the jobsite.

Herman Doty of Rockaway Beach mans the shop periodically and continues a family tradition.

He trucks in coal from Kentucky to keep the flames of the forge cooking at a roasty 2,200 degrees.

"I grew up with this," Doty said. "The equipment was my grandfather's. I did this a lot with my father, he

always had a forge."

Doty's grandfather set up a blacksmith shop in Southern Colorado after moving from Oklahoma in a covered wagon. Doty now owns Ringing Anvil designs in Rockaway.

CAMP 18 MEMORIAL

The Camp 18 Loggers Memorial serves as a place for people to come and remember loved ones. The building currently houses 400 plaques that are dedicated to those that worked in the logging industry who have fallen.

It was built in 2008, completely done by volunteers and now welcomes thousands of visitors through its doors from all states and even different countries. Originally, Standley and a friend had just thought they might make a memorial of name tags on one of the large fallen logs on the museum grounds.

However after bringing a memorial idea to the board of directors and presenting it to logging companies around the area, the support was so overwhelming, they knew they needed to do something bigger.

So the building that houses the memorial was built by Don Barlett of Knappa, Mark Standley and volunteers. Everything was handmade with a level of craftsmanship you don't see anymore and the wood was milled by the volunteers. The entrance to the museum is highlighted

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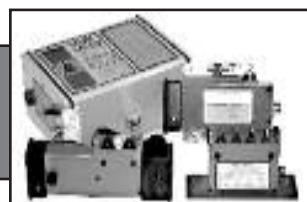


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Just do it!

By Wayne Lunday

I know this is a popular marketing slogan for a major athletic apparel company, but long before that it was the admonishment that many a parent shared with their children! Yours truly, included!

We've all heard it and said it... "The sooner you get started, the quicker you'll be done." "The longer you wait, the harder it will get." And then there is one of my favorites... Larry The Cable Guy's growl... "Git 'er Done!"

When you are talking about daily chores or even painting the house you might have some leeway. But not so much when it comes to financial planning and properly funding your future. I'll focus on retirement for the meat of this column but the same goes for other aspects of your future... You gotta commit to the job in your head as well

as your wallet!

Retirement... for many that is a long way off. Or, is it? Hell, just yesterday my wife and I were discussing when and how we met. Seems like just yesterday! Really, I don't feel a bit older now. 1976! 40 years ago on January 16th. We still remember the band that was playing and the brand of beer in the pitcher at the little honky-tonk outside of Moscow, Idaho! Yesterday, I say!

Except, now my 35 year old son wants to buy me out! Humph! My wife loves this place. She gets to run it, and she reminds me most every day. I got the best job, though. I get to spend my day visiting with the likes of you! I love it. But, I digress... (Comes with age.)

Financial Planning for your future... it's hard. Really. When you have real respon-

sibilities like putting beans on the table, sending kids to college, paying a mortgage and car payments... it's no wonder the average working stiff is hard-pressed to find extra cash for something as vague as "the future". But, you need to. Maybe some of these ideas will help.

Now, if you are financially flush and don't need to plan you can skip to the last paragraph. The meat of this is for the guy (or gal) that wants to create a more secure retirement for themselves. Money when you need it. So, let's look at a few easy numbers...

72. If you forget all the rest of what I share, don't forget this number. Remember, we're trying to grow your wallet. Financial Planning 101 in college explains this number like this... "Divide 72 by the rate of return your money is earning (interest

or growth) and the answer is how long it will take for your money to double." So, since interest rates are so low today let's look at this example... take 72 and divide it by 3% (a common fixed annuity rate of return). Yup, put in a buck and in 24 years you'll have only two bucks! Ouch. But wait... in 48 years you'll have \$4! Yeah, the rule of 72 sucks when you have low rates of return. Let's do this again only with a better "stock market" type of return. Say a 12% growth. Your buck would be worth \$256 now! It grows like a snowball going downhill!

But what happens if you wait too long to get started? Remember the premise of this article? The sooner, the better. If you start saving at age 22 and "let-

(Continued on Page 28

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Camp 18

(Continued from Page 18)

with massive tongs taken from an electric crane that served a Cathlamet log yard. Rumor has it that the crane also worked on the construction of the Golden Gate Bridge.

The walkway around the museum has log brands from local logging companies new and old stamped into the concrete.

Right outside the memorial was originally a dirt parking lot. A few days before the building was to be dedicated, a Jaguar pulled up to the site and two men got out and asked Standley why there wasn't a paved parking lot.

A few days later, those two men - Peter and Dennis Murphy of Murphy Plywood in Eugene, Ore. had the parking lot paved and paid for, so that it was ready for the dedication.

The statue inside of Steve "Boner" Boudreau of Morisse Logging was done by Parks Bronze and serves as the centerpiece in the building. Surrounded are wood slabs with plaques of fallen loggers.

"Steve was the classic logger," Standley said. "He worked hard and played hard. He really fit the bill for this statue."

The statue was cast from actual items that Bourdreau owned, and a bee hive hanging off the tree the statue is "falling" was also his.

Camp 18 treasurer Darlene Wilcoxon, who has been with the nonprofit since 2011, says that the memorial gets about 25 new plaques each year.

"It's interesting to work with families and realize how much this means to them," Wilcoxon said. "A lot of people take ownership of this museum."

For some people, it's the only place they go to remember a fami-

THE STATUE INSIDE OF THE CAMP 18 LOGGING MEMORIAL is of Steve "Boner" Boudreau of Morisse Logging, done by Parks Bronze. "Steve was a classic logger," Museum president Mark Standley said. "He worked hard and played hard. He really fit the bill for this statue." The statue was cast from actual items that Bourdeau owned.



ly member. For other people such as Robert Betz - who died on the jobsite and had no known family - it has served as a way to discover his identity. "Nobody knew what to do when he passed away," Standley said. "Tim Ruyle, of Bighorn Logging, built a box for his memorial plaque and we put some of his belongings here."

It turned out after somebody saw his plaque in the memorial, Betz was a very popular logger in Forks, Wash. known as Banjo

Bob.

"Everybody knew him there," Standley said.

The memorial does a dedication for the new plaques every year - slated the this year for May 7. After a few years of doing the dedication, the board members thought the event needed something extra so they began having a logging exhibition which pits local high school teams as well as contract loggers in events such as tree climbing, choker setting, splicing, double bucking, hook tender racing and much more.

The registration is free for teams and the admission is free. There's also a food booth and an auction that includes a log truck load of firewood, gun donated by Hopkes Logging and other contractors, a gun safe donated by Pape Machinery, power saw donated by Jerod Busch, a wood carving and a set of Superior Tire steering tires. Roughly 400 people attended last year's event.

Fitting with the volunteer nature of the whole place, even the announcer booth was build by someone who just said "they could do it."

Board member Allina Schmeltzer got involved with Camp 18 after her dad Mark Schmeltzer passed away nearly a year ago. Schmeltzer said she loved riding in the cab of her dad's log truck and how she used to play in the cabs of log loaders with her younger sister, pretend-

ing to be operators.

"He loved logging and that's why I'm here, to help preserve logging history," Schmeltzer said.

Schmeltzer now helps puts out a newsletter for the museum called "The Last Log" which includes messages from the museum and historical photos and articles from the archives of Quinn and Kari Murk (Quinn does Loggers World's Blast From the Past as well!) The directors of Camp 18 are the first to tell you they've made plenty of friendships throughout the years. The logging community has come through in a big way over and over again for the museum and in turn has helped them save the history of an industry for generations to come.

Currently the board is fundraising and planning to build another building on museum property that will house smaller artifacts, a conference room, a library, storage, and more space for the memorial to grow and the large field next to the museum was purchased to expand the museum. There is also now a shop on museum property that can winterize delicate artifacts and store equipment to keep the grounds in top shop.

The Board of Directors is constantly looking for ideas and events that help promote the museum and logging history and appreciates the support and dedication from the Logging community.

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As We See It....

The Pendulum

By Richard Schwab

By the time this editorial is published, members of the American Loggers Council (ALC) will have completed their annual trek to Washington, DC to visit with the lawmakers of this country who create and pass legislation that governs our industry, and the agencies that are charged with implementation of that legislation.

Approximately 65 representatives from the ALC will have carried the four main issues that are currently on the table to our elected officials, including 1) Future Careers in Logging, 2) Federal Interstate Truck Weight Reform, 3) Wildfire Funding reform, and 4) changes to the federal timber sale program which would help create efficiencies within the USFS and increase the tim-

ber sale volume currently being generated by the USFS.

Many of you who read this column probably realize that these are the same issues that we have carried to the Hill year after year, and yet they are still not resolved. There has been incremental progress over the years, and that is what keep us going back. A great word of advice came to me recently when communicating with Mike Beardsley who used to be the Executive Director for the Professional Logging Contractors of Maine, and now works in business development with the Varney Insurance Agency and American Loggers Insurance. Mike wrote:

“Be a good thing to point out to everyone at the meet-

ing that that is how the environmental lobby operates. They’re relentless and are ok with incremental change so long as momentum is heading their way. That’s what leads to the really big changes eventually. That’s also why they kick and scream and try to crush every small attempt to turn halt or shift the direction things are going. Even if it appears you are not making headway, a halt to the slide is a momentum shift: Every pendulum “stops” before it changes direction.”

Mike nailed it on the head. While the pendulum might still be swinging a little in one direction, we have effectively slowed it’s progress and are looking forward to the day when we see it moving in the other direction. Only through our persistence and the education of our policymakers can we make this happen.

Please stay active in your State, Regional and National Logging Associations. With our combined efforts, the pendulum will change its course.

Richard Schwab is the Procurement Manager for M.A. Rigoni, Inc., a full service timber harvesting and forest management company located in Perry, Florida.

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Summary Judgment....



Federal Attorneys: The Nation's Worst Losers?

by William Perry Pendley

The Super Bowl, the presidential primaries, and the NCAA "March Madness" basketball tournament exposed a number of sore losers, whose unexpected thrashing revealed them at their worst. Their defeats were especially hard to take because they thought they were going to win, everyone was telling them so, and their foes were lightly regarded. These sore losers pale in comparison, however, to federal attorneys in Cheyenne, Wyoming. How they came to suffer unexpected defeat at the hands of a Wyoming man is worth telling.

Since 1910, the Laramie, Hahn's Peak & Pacific Railway Company ran a line from Laramie, through tiny Fox Park, and south to the Wyoming-Colorado border along a 200-foot-wide, 66 miles long right-of-way. The railroad transported lumber from Melvin Brandt's mill to Laramie and beyond. In 1976, Melvin Brandt traded 200 acres he owned on Sheep Mountain plus 40 acres near Fox Park to the U.S. Forest Service for 83 acres in the middle of Fox Park occupied by the mill, houses and cabins, church, pool hall, hotel, general store, school and saloon Melvin Brandt and his wife Lu-

la—who came to Wyoming penniless in 1936—built.

Melvin and Lula's son Marvin, raised amidst the woods, the mill, and the hard work, went to college, but soon returned. Unfortunately, after the 1980 recession, times were hard and changing. The Forest Service was no longer interested in letting Marvin Brandt harvest the timber; instead, it left it to the pine beetle. In 1991, a young woman spoke to locals at the Hungry Woodsmen café of her vision that, after the railroad went away, a high-altitude bicycle trail could be built in its place all to be paid for by local businesses; Marvin Brandt proclaimed he was that local business and was nearly finished. That year, he sold the mill and its equipment for pennies on the dollar. Two years later, the railroad ended service on the line and in 1999 and 2000 removed the track and ties; its right-of-way reverted to the underlying landowners, including Marvin Brandt.

In 2003 Marvin Brandt learned the Forest Service planned to build the trail. Despite the 9,000 foot elevation, snow cover from October to mid-June, and the lodgepole pine's

attempt to reclaim the path, the agency audaciously predicted 120,000 bikers annually! The biggest impediment, however, was Marvin Brandt owned most of the land and he told the Forest Service so. Its lawyers said they did not care. He had the land; they wanted it; and they were going to get it even if they had to go to the Supreme Court of the United States.

In 2014, after eight years and appearances before four other federal courts, they got to the Supreme Court, but it did not go as expected. In an 8-1 ruling, Marvin Brandt won! Wrote the Chief Justice, the guiding principles "are well settled as a matter of property law[,] and, "nothing in the text of the [law] supports [the government's] improbable (and self-serving) reading." At oral arguments, Justice Alito attacked the Solicitor General before he finished his first sentence. Justice Breyer said "any attorney worth his salt" knows better than the position urged by the United States; Justice Kagan called that argument "a mystery."

Marvin Brandt returned to Wyoming federal district court where the judge who got it wrong in 2009 ordered his land

returned. Then Marvin Brandt sought an Equal Access to Justice Act (EAJA) award for attorneys' fees and expenses, to which he is entitled if the legal position taken by the United States was not "substantially justified." Astonishingly, federal lawyers argued they were justified, despite that, for seven years, they withheld from judges hearing the case the dispositive ruling on which it turned: the government's victory in a related case at the Supreme Court in 1942! Their conduct may or may not be unethical, but whether it was "justified" is now before the Wyoming federal judge.

Mr. Pendley, a Wyoming attorney, is President and Chief Legal Officer of Mountain States Legal Foundation and a regular columnist in Loggers World.

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In cable logging it is a small diameter wire rope which is laid out manually around an area of timber to be harvested, it is then used to pull the larger cables, used for logging, around a harvest unit. Usually 3/8 or 7/16 inches in diameter and fitted with some type of end connector and comes in 200 to 250 foot sections which, in theory can be coiled and carried to where they are needed. As a note, 250 feet of 7/16 inch haywire with hooks and eyes weight approx. 93 pounds.

Haywire/Strawline has been around ever since loggers got tired of stringing 7/8 inch haulback around the unit by hand. In my 45+ years of cable logging I have seen several different end connectors used to hook haywire/strawline section together. Some work better than others, but which is preferred is usually a matter of which system the logger grew up with.

This short article will describe the systems that I am familiar with and discuss the advantages and disadvantages of each.

The "American" haywire/strawline connector

The first system uses a two or three tuck eye, on each end of the section, with a hook tied into a knot behind the eye. The eye is folded over and attached to the hook as shown. The eye shown is a new eye and has not been pulled in so it looks a little loose. Once pulled and rolled in the eye is often passed around the body of the cable once or twice before being hooked. This system is probably the most used around the Pacific Northwest. Some loggers will put electricians tape over the hook, once it is done up to minimize the chances of it coming unhooked during use. Two of these eyes can be threaded together in such a manner as to require both to come unhooked before they will separate. This further minimizes

the chances of losing the layout.

The advantages of this system are that it is simple, and you have a way of hooking either end of the haywire section to whatever you want to hook it to.

Disadvantages are that it can come unhooked if not done up correctly and the knot in the cable reduces the strength of the cable by 40 to 50 percent. In recent pull tests this system failed at just over 10,000 pounds. Also the knots wear out from passing over and impacting the sheaves of the blocks in the layout and the fairleads in the yarder.

A variation of this system is to have a connector only on one end of each section and an eye on the other. This reduces the number of hooks which can come undone and break but requires that the sections be strung out in a head to tail order, so as to have a connector at each junction.



AMERICAN HAYWIRE/STRAWLINE CONNECTOR

The "Canadian" haywire/strawline connector

This system eliminates the knot in the strawline by forming a loop in the eye to contain the hook. This system is described fully in the WorkSafeBC splicing manual available on their website. The advantages are similar to the above two systems with the addition of not having a knot to break.

The disadvantage would be that the hook does not lay down against the cable and so may make pulling sections through the brush more difficult.

In addition, in the pull tests that we did, this

system broke at just over 9000 pounds making it the weakest system that we tested. It broke where the cable goes through the hook because the hook is trying to straighten out and putting two 90 degree bends in the cable. Essentially the hook cut the cable.



CANADIAN HAYWIRE/STRAWLINE

(Continued on Page 26)



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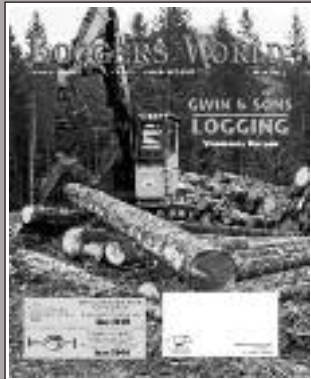


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- 2004 JOHN DEERE 3554
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- 2006 HITACHI ZX200
- 2011 KOBELCO SK210
- 1999 KOBELCO SK300 W/2 WINCHES
- 2008 KOMATSU PC220
- 2004 KOMATSU PC300
- 1999 KOMATSU PC200
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- 2012 LINKBELT 350
- 2007 LINKBELT 240LX
- 2005 LINK-BELT 290LX
- 2004 LINKBELT 370LX
- 2000 LINK-BELT 3400Q

- 2000 LINKBELT 3400Q TONG THROWER
- 1998 THUNDERBIRD 1240
- 2014 TIGERCAT 880

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- 2006 CAT 322C W/PIERCE 3348
- 1994 CAT 320BL
- W/WARATAH 620
- 2007 HITACHI 350 W/'09 WARATAH 624C
- 2006 HITACHI ZX250 W/DM4400
- 2004 HITACHI ZX330 W/2010 WARATAH 623C
- 2012 JOHN DEERE 2954 W/WARATAH623C
- 2009 JOHN DEERE 2154 W/WARATAH 622B
- 2008 JOHN DEERE 2954D W/2010 WARATAH 624C
- 2007 JOHN DEERE 2054 W/WARATAH 622B
- 2006 JOHN DEERE 2554 W/DM4550
- 2006 JOHN DEERE 2554 RB W/WARATAH 622B

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- 2013 LINKBELT 350X2 W/WARATAH 624C
- 2012 LINKBELT 290X2 RB W/WARATAH 623C
- 2011 LINKBELT 240LX W/DM4550
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- 2004 LINKBELT 240LX W/PIERCE 3348
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- THUNDERBIRD TY-40
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- 2010 KOBELCO ED150-2
- 2003 KOBELCO SK250RB
- 1990 LINK-BELT 4300C2 RB

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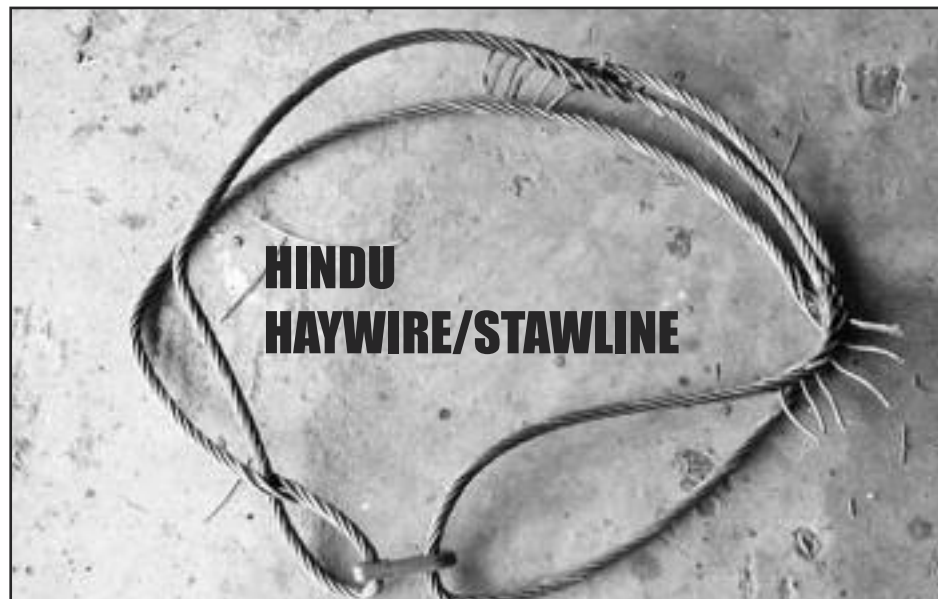
EYES IN CABLES FROM PAGE 23

The "Hindu" haywire/strawline connector

This system uses sections of haywire/strawline that have a spliced eye in each end and a "hindu" connector, as shown above, between the eyes.

This system has a strength which is limited by the strength of the splices in the cable, so 80-85 percent of the breaking strength of the line. Also there are only half as many hooks in the layout so less chances of coming unhooked and or breaking.

The main disadvantage of this system is that the connectors can be "lost or misplaced" as they are not attached to the sections. The hindu connector itself was pull tested and failed at over 17,000 pounds at which point the hook broke. This is stronger than the haywire/strawline itself, and obviously stronger than the eye splices in the line.



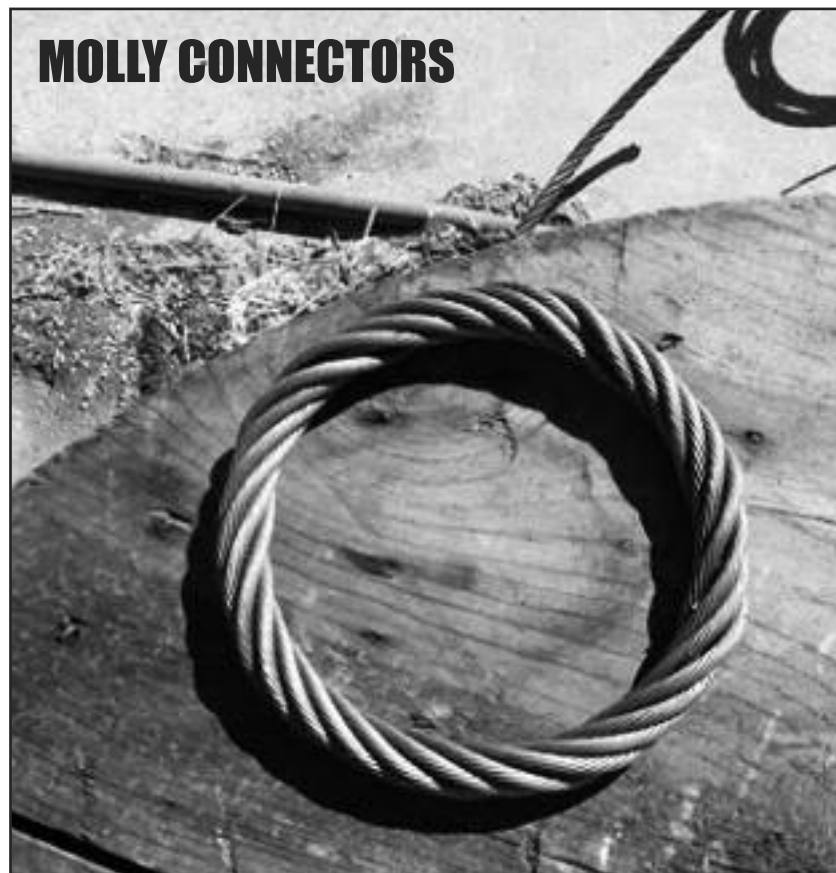
The "New Zealand" haywire/strawline connector

The next system is very similar to the first, with the only difference being that the hook and knot is tied inside the eye rather than behind it.

The advantages and disadvantages are the same as the previous system but in addition this method reduces the loading on the knot and the hook to the point where the splice becomes the limiting factor.

So rather than breaking at 50-60 percent of the strength of the line, this method develops the full strength of the splice which is 80-85 percent of the strength of the line. In recent test this system failed at just under 15,000 pounds. junction.

NEW ZEALAND HAYWIRE/STAWLINE



HERE ARE THE RESULTS...

Summary of Strength of various systems (% of strength of cable)

| | |
|-------------|---------|
| American | 50-60 % |
| New Zealand | 80-85% |
| Canadian | 40-50% |
| Hindu | 80-85% |
| Mollys | 80-85% |

This information is not designed to "prove" that one system is better or worse than another, it is just here so you can make an informed decision when it comes to how you run your "haywire" outfit.

You can contact Brian Tour at bltuor@skyride.net or visit www.cableloggingspecialist.com

Molly connectors

A molly, or Molly Hogan, is a single strand of cable/wire rope, which is rolled around itself to form a circle. The strength of the molly depends on the cable it is made from and the number of times it goes around the circle. Pull tests indicate that a 5 wrap untucked molly will develop the same strength as an eye splice in the same diameter and grade of rope. So if you connect 7/16th EIPS haywire sections with a 5 wrap molly made from the same wire, the eyes should break before the mollys.

In this haywire/strawline system, mollys are used to connect sections of strawline, which have an eye in each end.

The advantage is that they will not come undone. The disadvantage is that they are time consuming to put in and to take off. Usually they are cut off. Also they require the loggers to have a supply of mollys both at the landing and at the back end as well as a means of cutting them.

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Deadline for June 2016 issue: MAY 11th.

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"Just do it!"

(Continued from Page 20)

'er-ride" until age 70 at 12% growth you would have had a pretty good nest egg. \$10,000 would have become \$2.56 million! But, remember the rule? If you wait until age 28 to do the same \$10K you'll only have \$1.28 million at age 70. Age 70 is a long way off. That ain't enough. Start earlier and do it right.

121. Another good number to remember. Life insurance companies are using a new set of longevity tables that have them issuing policies with premiums payable through age 121! Heck, you probably know someone that has lived to 95 or 100. Within a few years we'll be reading about folks going well beyond that. Hallmark has a market for birthday cards for centennials! My point... if you retire at age 70 you may live a

lot longer than the number of years you actually worked! It takes money. \$1.28 million won't be enough. Start earlier and do it right!

Let's look at another set of numbers. Beginning at age 22 you invest \$10,000 for 10 years. At 12% growth it will be worth \$14,580,000 at age 70. That's probably enough. But, what if you wait until you are 32 to start? Your account will only be worth about \$4,694,274.43. That sucks. You lost out on Ten Million Bucks because you waited!

The whole point I'm driving at is that the best time to have started saving for your retirement was a long time ago. Since we can't go back in time (yet) then the slogan of the article comes into better focus. Now is going to be a lot better than tomorrow.

SO, WHAT ARE THE OPTIONS?

One of the best and easiest options is to create your future wealth in a tax-sheltered way. If your business has a 401-k plan, use it. If you are the business owner and you don't offer a 401-k plan you might consider it. The new government guidelines allow for really good benefits for both the employer and employees. There are some really simple to start and operate plans available, priced right, too.

Another option is to do an individual plan like regular IRAs or Roth IRAs. Again, these offer a tax-savings benefit to make it easier on the bottom line.

Retirement planning isn't for everyone. Only people that plan to be around longer than their working years. We all have dreams of reaching the

point in life where we don't need to work to pay the bills. Will it only be a dream?

About the author... Wayne Lunday has been in the life insurance and retirement planning business since 1979. He has earned both the Chartered Life Underwriter and Chartered Financial Consultant Designations from The American College, a college of the University of Pennsylvania, Bryn Mar, PA. Wayne owns High Cascades Agency in Castle Rock, Washington. His niche focus since starting in business has included working with logging contractors, their employees and related industries. High Cascades Agency is a full-service, Multiline Insurance agency. Wayne is licensed in Washington, Oregon, California, Idaho and Montana.

