

2018

Maine Forest & Logging Museum, Inc.

presents living history at
Leonard's Mills
in Bradley, Maine



2018 Programs

May 23-25 – **Children’s Days** 9 AM – 1 PM Historical hands-on activities and demonstrations, wagon rides, and fish swimming upstream! Reservations required \$5 per person



May 26 – **Alewife Day** 10 AM – 1 PM See the alewives swim upstream! Smoked fish, kid’s games, mills running, Machinery Hall open \$3 per person ages 12+

June 16 – **On the Run! Blackman Stream Alewife Cross Country Run** 8:30 See website for race details

June 16 – **Lombard Log Hauler, Sawmills & More on the run!** 10 AM – 4 PM \$10 adults/\$5 children under 12



July 28 – **Heavy Metal** 10 AM – 4 PM Heavy machinery and blacksmithing exhibits for the whole family! Try your hand at forging with a blacksmith. Bean hole beans, biscuits, sawmills, and Lombards Running! \$10 adults/\$5 children under 12

October 6 & 7 – **Living History Days** 10 AM – 4 PM Our most popular event of the season! Reenactors showcasing livestock, historic demonstrations. Fresh pressed cider, bean-hole beans & biscuits, and soup. Lombard and sawmills running! \$10 adults/\$5 children under 12



REGULAR EVENTS

THURSDAYS IN THE WOODS

Every Thursday from June through September, we open the museum buildings to visitors. Tour the buildings, take a walk in the woods, bring a lunch and eat at one of our picnic tables. Family events will be scheduled throughout the summer, be sure to check out our Facebook page for special event details. \$3 per person ages 12+

SATURDAY AT THE MILLS

Our special group of volunteers, the Tuesday Crew, will be on hand on some Saturdays to give special insights to our facilities. Learn more about the Lombards, our mills, blacksmithing, and the Grady Machine Shop. Visit our Facebook page for more details.



Find us on Facebook or visit us on our website:

www.maineforestandloggingmuseum.org

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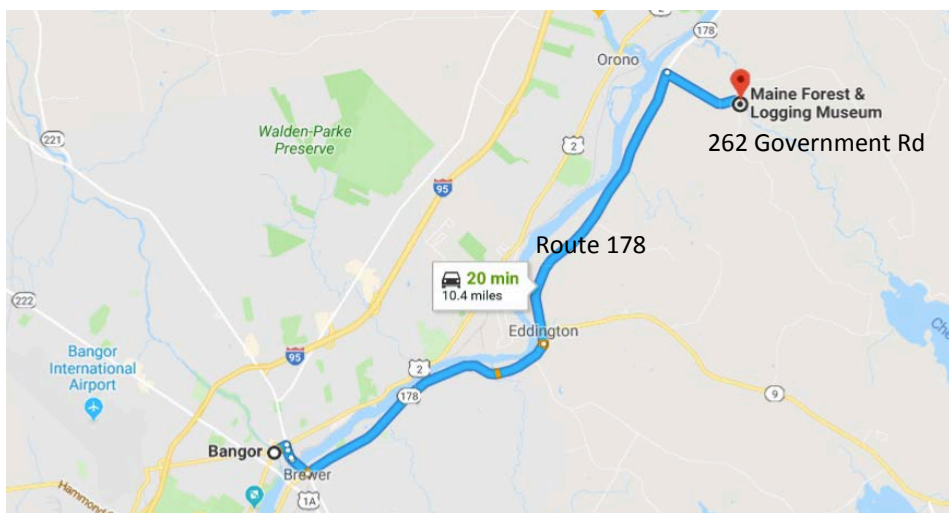
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Welcome from Sherry

Dear Friends,

How many of you have visited a museum and wished you could pick up a chain saw and see how heavy it is, marveling at the men who put in a day's work with them? We have many artifacts we want to brush up and show visitors, and we need more volunteers to help! If you are someone who likes to work on buildings, refurbish old things or would like to come and be part of events showing how people lived and worked, come join us!

The bonus is that the museum grounds are absolutely beautiful all year round. Until I started working for the museum, I just saw it during busy events. Now I am there when the turtles lay eggs, the alewives come back, the cardinal flowers bloom. Come out and enjoy 'Your place in the Woods'! See you out there!



Museum Background

In the mid-1950's a group of enthusiastic volunteers, mostly associated with the lumbering industry, proposed establishing a museum to preserve and portray the history of the logging and lumbering industry in Maine. As an "outdoor museum", this proposal would create a unique and innovative way to educate people of all ages about Maine's forest heritage.

After reviewing several local sites the group decided to pursue acreage within the Penobscot Experimental Forest. During the late 1960's two hundred and four acres of the Experimental Forest were deeded to the MFLM by the following companies: Scott Paper Company, Great Northern Paper Company, International Paper Company, St. Regis Paper Company, Diamond International Corporation, Boise Cascade Paper Group, Dead River Company, Prentiss and Carlisle Company, J.W. Sewall Company, J.M. Huber Corporation, 7 Islands Land Company, J.D. Irving Limited. Shortly thereafter other lands were donated by Peirce Webber, Edmund Nolette, H. C. Haynes, and Beverly Spencer. MFLM now owns more than 450 acres.

All of this land allows for developing a lumbering settlement portraying life around mills, a blacksmith shop, homes, a trappers' camp, a garden, and acres of forests. The first area built focused on life in the late 1700's and early 1800's centering on the water-powered sawmill. A recent area of development focuses on 1900's mills and equipment featuring the Lombard log hauler, rotary sawmill, clapboard mill, shingle mill et al.



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Introduction to Leonard's Mills

The Maine Forest and Logging Museum's Living History site is called Leonard's Mills, after Oliver Leonard, one of the earliest landowners in what is now the Town of Bradley, Maine. To help you get a feel for the time period in which Oliver Leonard lived, here is a glimpse at this region during the late 1700s:



1. Not long before this period, in 1763, the struggle between England and France for control of northeastern North America ended, breaking up the French-Indian alliance.
2. The American Revolution ended in 1783.
3. In 1796, Massachusetts reached an agreement with the Indians to purchase lands along the Penobscot River, including Township No. 4 – Old Indian Purchase (now Bradley).
4. The Northern Boundary of what is now the State of Maine was not yet determined.
5. People migrated to this part of Maine from all 13 states, as well as from Europe and Canada, some received grants of land and some just squatted.
6. Park Holland of Bangor was commissioned by the Commonwealth of Massachusetts to head off trouble by establishing lot boundaries as far as the frontier just north of Bradley.
7. On Thursday, September 7, 1797, Park Holland ran a survey line from Nichols Rock at the head of tide on the east side of the Penobscot River east to “land flooded by Leonard's Mills on Nichols Stream”, officially establishing a lot, which actually may have been settled as a mill as early as 1787.
8. Oliver Leonard was from Norton, Massachusetts (born in 1764). He graduated from Brown University in 1787, and set his sights on practicing law and speculating in lumber in the new and growing Penobscot country. After his death in 1828 (he was buried in Mt. Hope Cemetery in Bangor), Leonard's Mills or a similar mill on or near the same site operated by the Blackman family through the late 1800s, and Nichols Stream was renamed Blackman Stream.

Alvin Lombard's Steam Log Hauler

Restoration of our Lombard steam log hauler began in 1968 when it was recovered from its longtime resting place in T 9 R 15 in northern Maine. It stayed on display at Packard's Camps near Sebec Lake until the Maine Forest and Logging Museum purchased it in 1984. After a few years at the University of Maine and a few more years in storage, it was moved to Leonard's Mills in 1989.



Lombard log haulers were a Maine invention, manufactured in Waterville. Logging had been a Maine industry for well over a hundred years. There was a need for a machine that could haul larger loads of wood for longer distances than horses could haul.

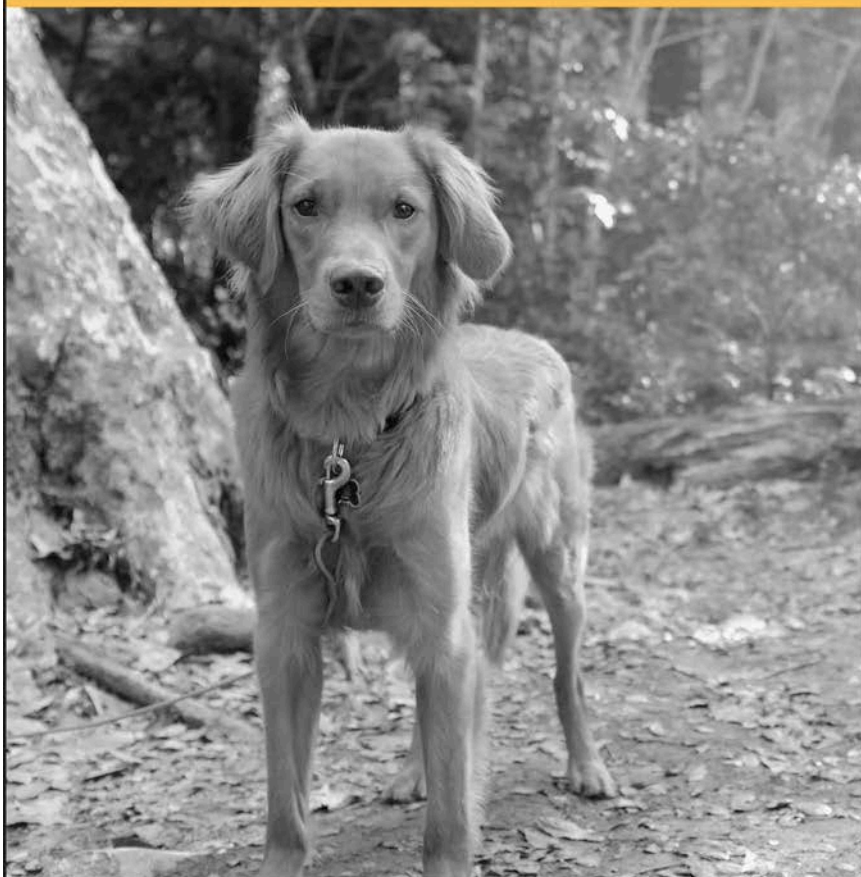
Conventional wheeled machines were almost useless in winter conditions. In 1900 Alvin Lombard took up the challenge and devised his log hauler. Taking advantage of existing technology, he built a 19-ton logging locomotive that could pull a sled train of several hundred tons. The innovation was that it traveled on an endless track chain that laid its own track. Lombard wasn't the only one trying to develop a crawler track, but he is credited by the American Society of Mechanical Engineers as being the inventor of the first successful crawler tread that with variations is still being used today. In the next fifteen years a number of machines were built at a cost of about \$5,000, a lot of money in the early 1900's.

Lombards were a powerful and successful machine with several continuing to operate well into the 1920's and a few into the mid 1930's. The last Lombard Log hauler to be built was number 83, but only five machines remain intact. At the factory these huge machines were loaded onto a railroad car, transported to the North woods, worked hard, then abandoned when and where they wore out or when cutting ceased.

The task of restoring such a machine has been a daunting one with 100-year old technology, no replacement parts, limited financial resources, and a labor force of volunteers. Nearly every part has been repaired, restored, or rebuilt with the assistance of many volunteers, companies, and the University of Maine Mechanical Engineering Technology department. Replacement of the steam boiler was a major hurdle. After some serious fund raising, our new ASME Boiler Board certified boiler arrived at Leonard's Mills in 2009. Volunteers and UM Mechanical Engineering Technology students completed restoration in 2014 and our Lombard steam log hauler is now running again.

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Living History days

Lombard steam log haulers in Machinery Hall





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Leonard's Mills Namesake: Oliver Leonard

The Maine Forest and Logging Museum's living history site is called Leonard's Mills after Oliver Leonard one of the early landowners in what is now the Town of Bradley, Maine. Mr. Leonard graduated from Brown University and set his sights on practicing law and speculating in lumber in the growing Maine country. According to researcher and former Maine Forest and Logging Museum volunteer, Madeline Gifford, "in 1795 Oliver visited a distant cousin, General David Cobb of Taunton, Massachusetts and Gouldsboro, Maine. They traveled to Machias in July to meet with some men who want a settlement on one of the Interior Eastern Townships and viewed some mills probably on the Machias River. Later that month they journeyed on horseback and by boat to see General Henry Knox in Thomaston. "My object is to allow Mr. Leonard to choose a township of land for his purchase (from General Knox's maps) as well as, or better, by visiting the spot through such thick forests." On August 9 Oliver sailed to Boston with General Knox "rather inclined from the General's records to prefer a township on the Penobscot to the one on the Machias River which he had intended to take." (Note: General Knox had an interest in the Waldo Patent which extended to the present border of Bangor.)

In 1796 Oliver Leonard purchased land in Orrington (now Brewer) where he eventually built the largest house in town and established a law office. As the first, for a time, lawyer in the area, he had a large law practice. In 1799 and 1800 he was the town's Representative to the Massachusetts General Court in Boston. He held various town offices and was a candidate for Senator in 1798, 1799 and 1800. He was an interesting debater, and extravagant in his style of living as long as the money (his wife's money) and the business lasted.

According to research by Volunteer Geneva Frost, Oliver Leonard purchased 200 acres of land with mill privileges, house and timber in 1797. This is believed to be the property upon which part of the present Maine Forest and Logging Museum sits. Also Mr. Leonard purchased one hundred acres of land with a house and hovel east of the Penobscot River with Nichols (presently Blackman) Stream flowing through it. By 1798 he began selling and trading his land.



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Museum Timeline of Development

Incorporated Nov. 21, 1960:

- Presidents: Dwight Demeritt, 1960 - 61; A.D. Nutting, 1962 - 69
- Early volunteers from forest industry and University of Maine searching for site upon which to build a museum to preserve forest industry artifacts, documents; sites in Orono, Stillwater, Bangor considered
- Plans evolved to design a living history museum for presenting life in a lumbering settlement with mills, homes, blacksmith shop, etc.
- Old mill site located on Nichols (aka Blackman Stream) owned by Penobscot Experimental Forest
- Talks to secure land from PEF began
- Bailey Bridge spanned Blackman Stream
- Pole barn moved from Clifton to serve as storage

1970s:

- Presidents: John Maines, 1970 - 78; Allan Leighton, 1979 - 92
- Plans developed for water-powered sash sawmill - models built
- Field days held to clear land
- Began site work for mill
- Rebuilding of original dam

1980s:

- Transfer of 204 acres from PEF completed
- Saw pit built
- Water-powered mill constructed
- Trails cleared for hiking
- First batteau built
- Care-takers' House with workshop built
- Covered bridge erected
- Trappers' camp built
- Blacksmith Shop moved from Hudson
- Lombard Log-hauler purchased
- First living history event held with bean-hole beans
- First newsletter published
- Mill first ran though adaptations needed



1990s:

- Presidents: David Edson, 1992 - 1999; Earle Hannigan, 1999 – 2007
- Other structures built -Sawyer's House, Gift Shop, hovel, amphitheater
- Water-powered sawmill finished
- Log cabin moved from Clifton

2000's:

- President: Michael Lane, 2007 – 2012
- Mill area started for 1900's mills: rotary sawmill, clapboard mill, shingle mill, planer
- Fishway built
- New boiler for Lombard built following \$65,000 fund raising drive
- Meat smokehouse constructed by Scouts
- Waterwheel rebuilt

2010s:

- Presidents: Anette Rodrigues 2012 – 2016, Melissa Doane 2016 – 2017, Herb Crosby 2017 - present
- Shingle mill sawed cedar and pine shingles
- Machinery Hall built
- Storage mezzanine completed for storing tool collection
- Crooker Lombard steam log hauler brought to museum to help with our restoration
- Our Lombard log hauler moved into Machinery Hall, restoration completed in 2014 with help from 80 University of Maine Mechanical Engineering Technology students and many volunteers
- 1937 Cletrac restored and runs at events
- University of Maine Construction Engineering Technology students install new cedar shake roof on covered bridge in 2014
- Over 250,000 Alewives swim up Blackman Stream fishway returning to Chemo Pond in 2015 – first Alewife Festival held
- Alewife smokehouse built
- Timber inventory of museum forests done by Prentiss and Carlisle - mechanized timber harvest made on Haynes lot in 2015
- Floor repairs made in water-powered sawmill and on covered bridge
- Museum gets \$15,000 Davis Family Foundation Grant for water-powered sawmill roof and sill replacement
- Tuesday Crew puts new roofs on pole barn, gift shop, and Alewife smokehouse
- Circa 1920 Hackett & Witham rotary sawmill runs in 2016
- Chet Grady Machine Shop operational in 2017

A Visit to Leonard's Mills

Leonard's Mills is located on more than 400 wooded acres in historic Bradley, Maine, on the banks of Blackman Stream. Remains of a stone dam, several house foundations, and the existence of a ledge well-suited for harnessing water power, point to the historical significance as a milling site since the late 1790's. Today, Leonard's Mills breathes life once again as the Maine Forest and Logging Museum continues an authentic reconstruction of a logging and milling settlement, educating people of all ages about Maine's rich forest heritage.

The museum recently restored a steam-powered Lombard Log-hauler, a rotary sawmill, and a clapboard mill giving visitors a glimpse of forestry machinery of the 1900's.

Self-Guided Tours

Maine Forest and Logging Museum's site at Leonard's Mills is open year-round for visitors to take a leisurely walk around the site to explore nature trails or to enjoy a quiet moment by the pond or Blackman Stream. Look for the large map on the covered bridge. On non-event days there are no demonstrators or activities at the museum.

Special Events

Events through the season give visitors the feel for life in the different eras of Maine's forest history. During Living History Days, the village comes alive with volunteers in period dress performing tasks typical of those found around a lumbering settlement. Roaming the site, visitors might sample bean-hole beans or reflector-oven biscuits, learn how the water-powered sawmill operates, or chat with re-enactors at their campsites. Traditional crafts are demonstrated by spinners, weavers, blacksmiths, maybe woodworkers or a tanner. Visitors might make a cedar shake, row a batteau, or ride in a horse-drawn wagon. The Gift Shop is open and 'period facilities' are available.

Children's Days are busy with youngsters participating in period activities from weaving to playing tug-of-war or walking on stilts or riding in a horse-drawn wagon. Re-enactors are working in the Blacksmith Shop, log cabin, and sawmill. The **Heavy Metal at the Museum** event features our Lombard steam powered log hauler and hands on blacksmithing demonstrations, also sawmill and shingle mill demonstrations.

Volunteers work at the museum on Tuesdays and many buildings are open then. Check the Maine Forest and Logging Museum Facebook page or website for additional events during the year.



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1. Visitor's Center—Constructed in 2013, this building is dedicated to the memory of Al Leighton. The Visitor's Center houses the Grady Machine Shop from the home of Chester Grady in Belfast, Maine. The Visitor's Center is also the home of our Lombard Log Hauler—the only know licensed steam-powered log hauler running today!

2. Museum Store—Purchase a special item from local artists. Snacks, water, and bug spray available!

3. The Shingle Mill—Watch how shingles were made!

4. Early 1900's Mill Complex—The rotary sawmill and shingle mill were built by Hackett and Witham, donated by the Ray Harville Family.

5. Covered Bridge—This bridge was covered to protect timber, and patterned after Ithiel Town's "lattice truss" developed in 1819.

6. Caretaker's Cabin—Private residence and independent off grid home for the caretaker.

7. Grounds of Civil War Encampment— During our annual events, Living History Days, Civil War reenactors visit!

8. 1790's Flag—The original Stars and Stripes was amended to 15 stars when Vermont and Kentucky joined the Union.

9. Water Hand Pump—Quench your thirst with our working water pump!

- 10. Smokehouses**—The first commercial alewife historic cold-smokehouse replica of an 1840's smokehouse. Visit during our Bradley Alewife Festival and try some smoked snacks!
- 11. Settler's Cabin**—The first concerns of settlers was shelter, and an entire family would live in this size dwelling.
- 12. Trapper's Cabin**—Trapping began with native peoples out of necessity, and turned into a source of trade and profit.
- 13. Fishway**—This type of ladder is called a pool and weir system. Alewives were believed to be present prior to European settlement. Come see the alewives run during our annual festival in May!
- 14. Mill Dam**—This site was chosen because of the narrow ledge and small drop to provide the mill with power.
- 15. Batteau**—A wooden river boat used to move people and supplies down river during log drives. Rowed by four people while two steered.
- 16. Garden**—Traditional gardens were planted with seeds Early Settler's brought with them. We plant a Three Sisters garden: squash, beans, and corn.
- 17. Sawyer's House**—The architecture of this building uses a post and beam style. Improved from the cabin, the people that dwelled here spent time making and repairing cloth.
- 18. Nature Trail**—Trail Head. Nature trail joins Blue Trail for hike in old growth forest with interpretative sign.
- 19. Hovel**—A hovel is a temporary barn used to house oxen or horses while lumber workers operated in the woods.
- 20. The Blacksmith Shop**—The smithy was the heart of many logging villages used to create and repaired tools needed for living. Join us for classes throughout the year!
- 21. Bean Hole Beans**—Our beans made by our Bean Master cook in hot coals underground for 24 hours. Try them at our events!
- 22. Sawmill**—Water powered sawmills were the heart of many Maine towns from the 1700's until the present. It consists of a waterwheel, gearing, saw sash (frame that carries the blade), and log carriage. It is the only wooden geared mill in the US!
- 23. Mill Pond & Sluice Way** —One of the most important features of the water mill, water retained in the pond represents the potential energy for the mill. Then the water travels down the sluice, turning the gears as the water flows, an integral part to power the mill.
- 24. Saw Pit** —A technique practiced since ancient times, this method relies on two people with one at the top and one in the pit, sawing up and down.

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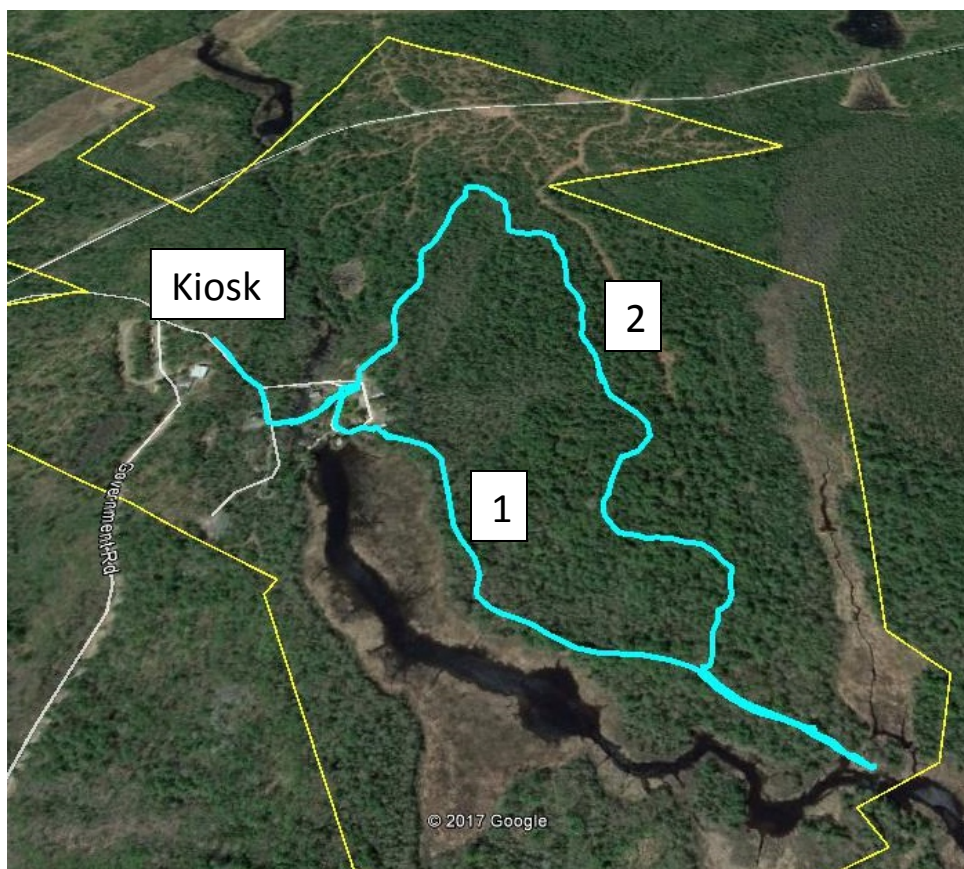
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Hiking Trails at Leonard's Mills

The trails at Leonard's Mills wind through a typical Maine forest of mixed hardwoods and conifers. Such mixed forests are full of life and provide diverse habitat for birds and mammals. Each day the trails can be different so come often.

Trail 1: **Nature Trail** - 30 minutes – Moderate trail along Blackman Stream with interpretive nature signs. Trail begins near the blacksmith shop hovel.

Trail 2: **Blue Trail** – 60 minutes – More challenging trail through old growth forest. Trail branches off Nature Trail and ends near the bean pit area. Marked with blue blazes.

Blackman Stream Fishway

Historically alewives may have been the most important sea-run fish in Maine rivers. During the 1800's alewives were harvested for food because they kept exceptionally well in salt or when smoked. During the 20th century society's demand for alewives declined due to the widespread use of refrigeration which made many other fish species available to the market. Alewives are a critical food source for the numerous other species of fish, birds, and wildlife that inhabit our rivers and live along the river corridor.



Alewives are an anadromous fish species. They spend the majority of their life in the ocean, but they return as adults to freshwater lakes and ponds to spawn. Alewives are repeat spawners and they show a high degree of fidelity to the same body of water where they were spawned. After living at sea for four years, alewives enter Maine's rivers and streams in May. By mid-June, the

alewives have spawned and then head back to the ocean. The eggs hatch after several weeks and the young spend the summer growing to a length of two inches. With the late summer and fall rains, the juveniles migrate down the rivers to the ocean. To complete their lifecycle, alewives must spend time in both the saltwater and freshwater.

The Atlantic Salmon Federation and its Maine Council worked with the Board of the Maine Forest and Logging Museum to design a fishway that fits with the historic character of the Logging Museum. After engineering plans were drawn up and all the local, state and federal permits were acquired, a four foot wide channel was excavated through the bedrock. The excavated channel had a depth of two feet at the downstream end and a depth of eight feet at the upper end of the fishway. A stone mason then constructed a series of 17 weirs leading to the top of the fishway. Blackman Stream, like many small rivers, can rise and fall quickly with rain events. To allow fish to pass in this wide range of flows, a Denil fish ladder was constructed above the rock pools. This Denil moderates the high flows and keeps water moving through the fishway during lower stream flows.

The purpose of the fishway is to allow alewives (river herring) and other sea-run fish access to their historical spawning habit above the dam. This fishway reconnects Blackman Stream to the main stem of the Penobscot River and the Gulf of Maine.

During the past summers alewives were stocked in Chemo Pond from which Blackman Stream flows, and juveniles have been seen swimming through the fishway on their way to the Atlantic Ocean. Hundreds of thousands of mature alewives are now returning from the ocean each spring through the fishway and are an amazing sight.



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The advertisement for ARTSOFT-MACH4 features a red banner with the word "NEW" in white. Below it is a table with four rows, each showing a value of 0.0000. To the right of the table is the text "Are you ready for the next level of CNC Control?" followed by "ARTSOFT-MACH4" in large, bold, black letters. Below this is the tagline "Smooth Fast Responsive - The Next Generation of MACH". At the bottom, the website "WWW.MACHSUPPORT.COM" is listed, along with the text "Machines now running Mach4:" and a small graphic of a CNC machine.

The advertisement for Morin Fuel features a photograph of a red Morin Fuel tanker truck parked in front of a yellow building. The truck has "Morin Fuel" and "827-6909" written on its side. Above the truck, the text "Fuel Oil • LP Gas • Kerosene • Burner Service" is displayed. Below the truck, the tagline "Friendly, dependable deliveries" is written in a stylized font. At the bottom, the contact information "PO Box 325, Bradley, ME 04411" and "Rodney F. Morin, Owner (207) 827-6909" is provided.

The water-powered sawmill is ready to get to work!



New roof, foundation work, saw sharpening. A new sluice for pond drainage to keep water from leaking into the mill foundation. New cribwork for the ramp in the pond--every time Rod Stanhope brings his backhoe to the grounds the guys have fun--you find out just how muddy the bottom of the pond really is. The mill is in good shape for the coming season. Many thanks to the crew on the mill project: Charlie, Ed, Bob, Byron,

Lew and Rod (pictured), the rest of the Tuesday crew, and UM students. Funding from the Davis Family Foundation, Dow Shingle and many other donations!



Thanks to our Davis grant, we were able to get a new roof on the old Lombard shed. UM Construction Management Technology students put the funds to use, did some rafter work (some had been cut to allow the Lombard space!), and the metal roof went on very quickly. Trim and paint are on the list for this summer.



The old gate house was a welcome site--you finally made it down the road and found the museum! Some changes come suddenly and are a bit painful! Unfortunately, the big November blowdown

hit the museum very hard. The gatehouse and trapper's cabin were crushed, trees down all over the grounds (all 400+ acres!) and a general major clean-up necessary. As of March, the beautiful pine logs in the woods behind the main grounds are being skidded out, and we will be able to sell some wood. The Tuesday crew really did a great job clearing around the parking lot and village-- Ford or Dodge for towing?

Ruth Weymouth has done an amazing job figuring out a SKU system for the gift shop to work with our Square. More volunteers are welcome to learn her streamlined system and help us keep the shop open!



Jay Perry brought his pole setter to get telephone poles set for a new building over the Donnell clapboard mill. Jay has done lots of tree work for us and is now part of the crew running the Lombard at events, but he got his start at the museum years ago working with his dad clearing the woods for the site of the museum. He was here when they built a water wheel right at the dam. It didn't turn out to be the best option, so the sawmill was built down stream. Every fall we get crew of UM freshmen to do a service project.

This year, with Jay Perry and Sean Hutchinson bringing their equipment, the students were able to clear an amazing amount of brush. You can see the dam! (The big blowdown helped, too!)



Jay donated lots of safety equipment as well--hard hats all around! We have lots of projects if you have a group (adults or students) that would like to help us out with a service project. Contact the office!



A new outhouse!



It has taken many volunteers to get the Grady Machine Shop ready to run!



Last spring, Brian Barker and his son Tim helped Tom Christensen with a major overhaul of the machinery. Lew Crosby got involved in

getting lights set up. Generators are good things--being off the grid, we get creative with powering machinery. We have solar power for the gift shop and aim for a bit more here and there.

The Grady shop can be seen in action at events--the belts connected to the shaft overhead mean one motor can run as many machines as you like at once. Takes you back to the 1930s and 40s, before CNC machines.



Children's Days! We have many hands-on, historic activities and demonstrations at the three days set aside for school children in May, but the introduction of alewives has added an element of exciting, wet fun. Staff from NOAA have been helping us out with information and dip nets--they help the students catch fish trying unsuccessfully to make it up the dam itself. They get to take buckets full of alewives over to the fish ladder and send them on their way.

Hands-on activities, games and demonstrations take many hands and offer opportunities for new volunteers to get involved. A natural fit for homeschooling families! If you are available during the week, we can use you to help make Children's Days a great experience for students.



It takes many volunteers to put on events--join the group that has all the fun! The Lombard runs at major events, and it is a process to fill the water tank, load wood and stoke it up, and maybe get to drive it! Paul Breton brought his gas Lombard up last summer to share at events, and got to try his hand at the throttle of the steam machine.



Brothers Lew and Herb Crosby are part of all the Lombard action that happens. Every demonstration you see at the spring, summer and fall events takes many volunteers hands. Maintenance of the machinery and buildings is a year-round activity for volunteers, but we can use your help just for events as well.



The museum grounds have been the setting for many lovely weddings.



Tory has been helping the Tuesday crew during the summers with his grandfather Rod. Byron brings his granddaughter Emily to help out at events. Tory and Emily go to school together in Hampden. New drivers, they were both eager to drive the golf cart to take people around the grounds at events at a safe speed.



Everyone loves hot metal!

We had a mishap in the blacksmith shop--a piece of the clinker breaker broke, necessitating a forge rebuild. That is still in the works--the old wooden frame will be replaced with a fireproof brick hearth. Larry Littlefield and Charlie Green came to the rescue by refurbishing the portable bellows Bill Lynch built for reenacting events many years ago. Byron Aubrey got it up and running so visitors were able to see some great demonstrations last fall.

Try hammering on hot metal yourself--come to our July event and work at one of the forges we set up.



Vicki and Tom Ketchum have been seeing the country in their Airstream RV home. The great way they are doing it is by volunteering as

RVworkcampers. They have helped out at many state and national parks, using the time to learn some new history, see a new area and give of their time and talents wherever they stay. We were fortunate to have them as our first workcampers.. They went right to work: Vicki is a one-person paint crew who is driven!. Tom was working in multiple areas--building shelves in the Visitor Center mezzanine and building a storage closet. Moving artifacts, pickling walls, it was a long list! We hope they return after their stay in Alaska this summer (Florida Keys right now).



B.J. and Mike Maybury have been our main bateau crew for many years, but low water levels and windy conditions have made it difficult to offer the rides. The bateau needs some repair work, but we hope to get it in the water this season. Watch for another crew training session--we need more



Living History Days is like Old Home Week for volunteers. They enjoy sharing knowledge and skills they have with visitors, and then some enjoy camping over. Some of the volunteers who camp for the event have been coming since they were babies and are bringing their own children now.

As the museum's largest event, the need for volunteers is greatest. We need people to participate in many ways--work a shift and enjoy the rest of the day checking out all the interesting demonstrations. Learn how to bake biscuits over the open fire, make bean hole beans, help with parking, etc.

Historically, camp food always tastes great!



Chris Rueby, who lives in New York, contacted the museum more than a year ago for more information about the Lombard log hauler. Many email exchanges with Herb Crosby and a visit by Chris to crawl all over the real machine, resulted in an amazing working steam-powered model of the Lombard. Hard to tell you can pick this up! Chris brought it up with his Shay train model to show it to all of us and we all want one!

QCD? Museum supporters who have reached the age of 70 ½ are able to make a Qualified Charitable Distribution. If you direct any portion of your required withdrawal from your IRA to come to the Maine Forest and Logging Museum (a 501c3 charitable organization), you will avoid paying income tax on those funds. Benefit the museum while saving taxes!

Donations of every size (and shape) made things happen in 2017!

Philip Andrews, Thomas & Rachel Armstrong, Byron & Jackie Aubrey, Susan Aygarn, Bob & Candy Bachorik, Mida Ballard, Susan Chase, James Barrett, Mark & Sherrill Barrows, Beth Beaulieu, Tim & Clara Beaulieu, Marc Berlin & Edith Richardson, Pete Bernier, Ed Berry, James & Mary Bird, Joan & Delwin Blackwell, Joel Bolshaw, Bruce Bowden, John Bradbury, Fred & Betty Briehl, Adrian & Celine Brochu, Larry & Brenda Bryant, Edward V. Buck Jr., Steve Bumps, Ben & Sarah Carlisle, Allen & Sharon Caron, Tiffany Carr, Jeff Bouchard, Terri & Roger Coolong, Peter Crockett, Carol Crosby, Herbert & Judith Crosby, Lewis Crosby, Matthew Davis, Alice Dyer, Melissa Doane, Jack & Elizabeth Donovan, Richard Dort, Louis & Margaret Dougherty, Anthony Dowler,

Robert Downs, G. Clifton Eames, Leo Edmiston-Cyr, Michael & Marilyn Eremita, Brydie Armstrong, Matthew Senter, Susan Farrar, Richard & Judy Fessenden, Ford Stevenson, David Field, Anthony & Carolyn Filauro, Dennis Fortin, Lawrence & Virginia Foss, Gale & Paul Foulkes, Robert & Dorothy Frank, Marilyn & Dale Gass, Gary Girouard, Beynton Glidden III, Matthew Gorman, Cathy & Ron Goslin, Peter Gray, Charlie Green, Wayne Hamilton, Donald Hammond, Paul & Cathy Hannemann, Earle Hannigan & Calista Wiberg, Victoria Hansen, Dick & Brenda Hanson, Jessica Hardwick, Edward & Maxine Harrow, Kate Hayes, Greg & Betty Jamison, Ellen & Ted Jennings, Jeremy Johnson, Barbara P. Jones, Keith Kanoti, Alison Keiffer, Ryan Kelley, Brian Flewelling, Al & Nancy Larson, Kenneth & Angela Laustsen, Ralph Leonard, Trevor & Sonja London, Norris & Bonnie Lovett, Charles & Michelle Lambert, Benny Lumbra, Edgar & Daphene Mace, Karen Allen-Maguire, Paul Favolise, Anne Mitchell, Rebecca Manthey, Mike & BJ Maybury, Reid McLaughlin, Michael & Marvia Meagher, Erica Messer, Karen Duran, Scott Moon, Rodney Morin, Jon Eames, Dan Smith, Natalie Norton, Linda O'Kresik, Chris & Jill Packard, Donald Isaacson, Brian Parker, Rodney Buswell, Ted & Mary Perkins, Steven & Sharon Plouff, Tom Quirk, Sean Hutchinson, Bob Randall, Carl Rella, Christopher Rueby, Steve & Lois Madden, Terrence Samway, James Sargent, Sarah Medina, Marsha Shute, Wendell & Carol Small, David & Nancy Smith, Fredrica Smith, Mary Jane Smith, Robert Spencer, Rodney & Jerry Stanhope, Leslie Sturzenberger, Denise & Gary Sullivan, Paula Leavitt, Brian Souers, Ian & Diane Walker, Agnes Welch, Bradford & Alice Wellman, Richard Wellman, Charlie & Ruth Weymouth, Alison Cox & Jim White, Brian Wilcox, Bonnie Wilson Scott, Teresa Wlodarski, Harold & Christel Woodard Jr., Daniel McDonnell, Susan Chalmers, American Concrete, Maine Earth, Larry Littlefield, Acadia Leather, Charles and Mary Dorchester, Wilbur and Nikki Libby, Nancy Scott, Milligan's Landing, and many more volunteers for events!

Thanks to you, 2017 was a wonderful year! Please join in making 2018 great!



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Proud to support the Maine Forest & Logging Museum!



As the museum approaches 60 years, it is interesting to look back and learn some things about the history of the place. One name comes up in many early documents and continues to show on the Board of Director's list. Robert Frank, Jr., has been part of the organization just about from the beginning. Bob started with the U.S



Forest Service in 1957 doing Forest Inventory at Shin Pond in northern Maine. After a detour in the Anthracite Region of Pennsylvania, he headed to Maine to be a research forester (silviculturist) at the Penobscot Experimental Forest (PEF), starting in 1963.

The U.S. Dept. of Agriculture, Forest Service, had an office in Orono, but the data collection was happening in Bradley. In 1950, several companies in the logging industry purchased substantial property along Blackman Stream and started an arrangement with the Forest Service to conduct research that would assist them in managing their extensive holdings. In 1960, people in the industry, academics from UM and Forest Service employees, formed the new Maine Forest and Logging Museum. The industry was changing rapidly and some pieces of history were quickly disappearing. When Bob arrived in 1963, he was quickly recruited to join the fledgling museum. Many companies represented at the start are still supporting the museum, including Prentiss and Carlisle.

Bob was there through all the early changes --at one time, the museum had an office in downtown Bangor. Donations of artifacts started coming, and there was no place to put them. Volunteers like Bob stored items in their own barns, and many things were stored in the cellar of the Coe Building in downtown Bangor. With the original idea being to have a static display museum on the UM campus, the museum formed a relationship with the University and acquired office space on campus. Bob remembers those early days of supporting the museum as full of comradery--regular dinners or meetings where the hat would be passed to meet the museum bills. As the earlier years of the museum passed with no structure to house the growing collection, the idea developed to recreate an old logging settlement. Bob, in his position at the PEF, helped facilitate the location of the museum on the shore of Blackman Stream, where 6 sawmills had once operated.

The 1980s saw the start of the physical growth of the museum. The PEF property was still owned by private companies, but with their permission, construction of the water-powered sawmill began. It took several years to get it built, after an initial attempt to have a wheel right at the dam. Bob was caught



up in a major controversy that developed over the dam structure. Some members involved in the project raised the level of the dam, which involved subsequent flooding in the watershed up to Chemo Pond. Bob was firm in his objection to some of the action taken by the museum members of the time (eventually, there was a settlement with the DEP), and resigned his position on the Board. The turmoil at the time involving numerous State agencies eventually led the landowners to transfer some 400 acres to the museum to remove themselves from association with the controversy. In 1994, the remaining thousands of acres were donated to the University of Maine Foundation. The University and the U.S Forest Service continue a joint research project in the PEF.

Bob did remain a supporter of the museum through those tough times, and continued to serve on the Board through numerous cycles, terming out and then serving again later. Retiring from the Forest Service in 1996 gave Bob more time to work actively for the growth of the museum. His connection with the staff of the PEF remained strong, and eventually, he saw possibilities for the museum to have a closer connection.

The Forest Service built a new office space on the Government Rd. shortly after Bob retired. The field crews had worked out of a garage/bunk house in the middle of the PEF. Bob saw the potential for the museum to have office space closer to the museum grounds and was able to arrange for the move to share space at 54 Government Rd. The office on campus was finally closed in the summer of 2014.

Bob and his wife Dottie still help as they are able with the familiar events that they helped develop in the late 1980s and early 1990s. The first board was sawn in 1991, and getting people out to see the mill operating and the area called Leonard's Mill has always been important to such long term supporters. Fundraising and looking for support for the museum were part of the responsibility of a Board member, but Bob and Dottie were also always the first to ask where they were needed to help out at events as well. Cider making, gift shop, making period clothes, working in the sawmill, whatever needed getting done.

The Franks are just two of the enthusiastic volunteers who have found the museum a great place to support for many years. Join them!



Dear Friend,

Since 1960, the Maine Forest & Logging Museum at Leonard's Mills has proudly served our community by preserving, celebrating and educating people about the sustainable forest culture of Maine. Year after year, the museum has provided hands-on opportunities to experience what life was like as part Maine's forest history.

We are excited to provide opportunities for people to embrace Maine and its forest heritage-past, present and future. We hope that you value our museum as we do, and want to be a part of the community that sustains our treasure in the woods.

Becoming a member helps to maintain the Maine Forest and Logging Museum collections and facilities. Your membership also helps us to provide excellent educational opportunities to the people of our community. **Membership includes free admission to the museum for major weekend events and during regular hour. Programs, workshops and classes are discounted 50% and members receive a 10% discount at the Museum store.**

We look forward to seeing you at the Museum!

Sincerely,
Sherry Davis
Executive Director



Maine Forest and Logging Museum Membership Application 2018 Membership

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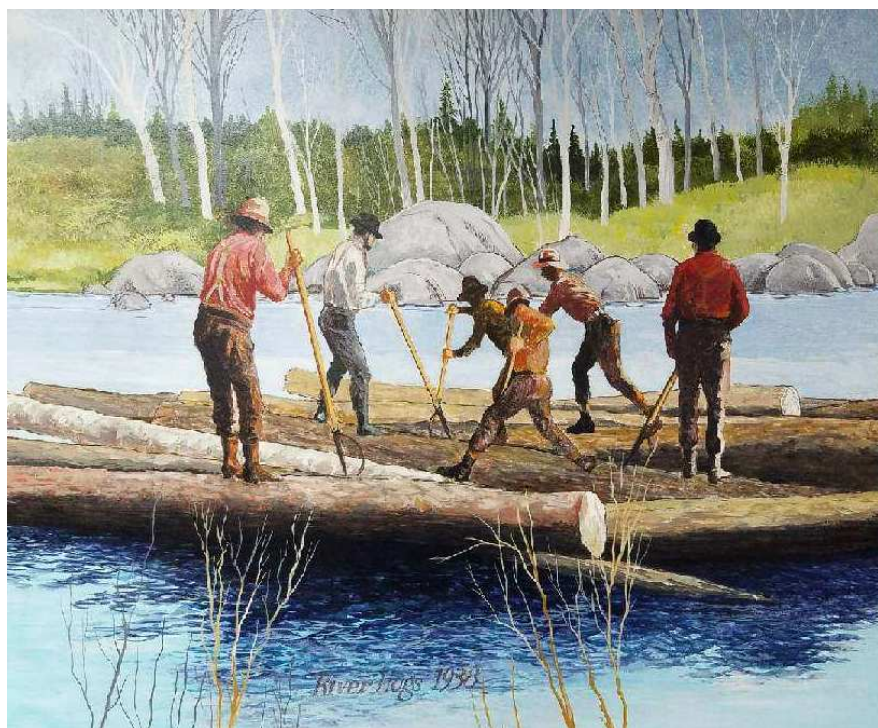
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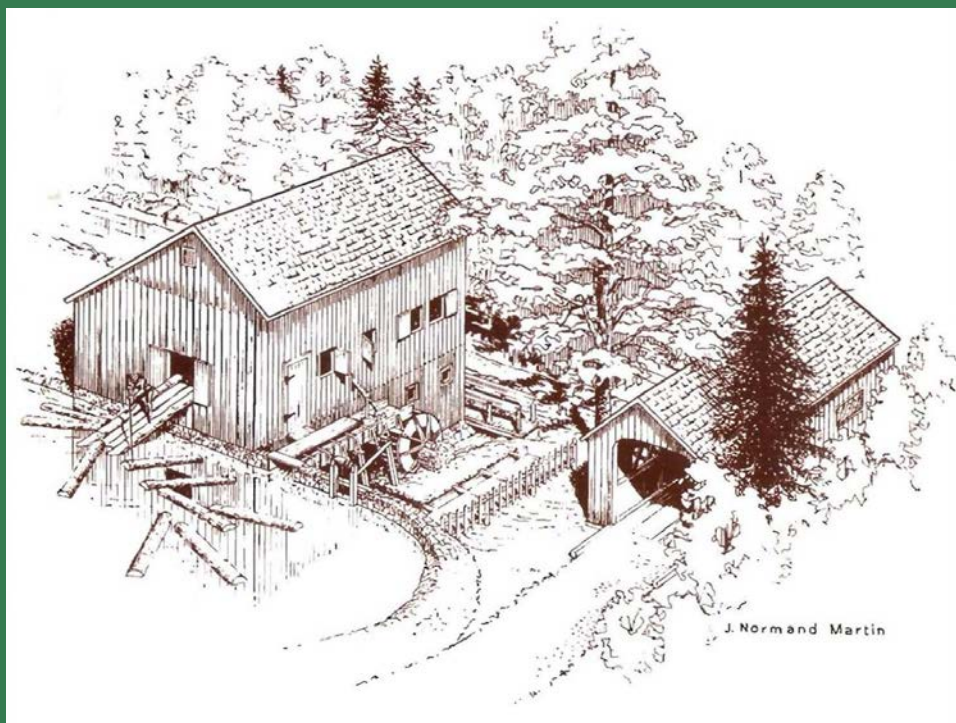
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