

Third Annual Report

OF THE

New Hampshire  
Timberland Owners  
Association



NINETEEN HUNDRED AND THIRTEEN

### OFFICERS.

W. R. BROWN, President      Berlin Mills Co.  
W. H. BUNDY, Vice-President      Conway Lumber Co.

### Board of Directors.

W. R. BROWN, Berlin Mills Co.  
W. H. BUNDY, Conway Lumber Co.  
G. S. LEWIS, Connecticut Valley Lumber Co.  
C. C. WILSON, Odell Manufacturing Co.

F. H. BILLARD

Secretary-Treasurer, Forester.

### Treasurer's Report.

From November 20, 1912, to November 20, 1913.

#### RECEIPTS.

Balance from 1912.....	\$ 166.04
Assessment.....	10,169.47
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	\$10,335.51

#### EXPENDITURES.

Patrol.....	\$6,194.20
Mt. Look-out Station.....	150.57
Telephone Account.....	
Repairs.....	102.92
Exchange and Toll Expense.....	244.14
District Chiefs.....	610.50
Advertising.....	68.27
Salary.....	1,500.00
Office Expenses.....	396.84
Traveling Expenses.....	500.00
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	\$9,767.44
Balance.....	\$ 568.07
Due account unpaid assessments.....	66.38
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	\$634.45

### FORESTER'S REPORT.

#### Membership.

The number of members now belonging to the Association is thirty-eight, eight new members having joined this year. The total acreage owned by the members is 1,023,585.

### **The 1913 Fire Season.**

Weather conditions during the season just finished have been rather less favorable than usual. While there has been no protracted drought, on the other hand the rainfall for the season was below normal, no general rains falling from early in June until the middle of September, and a disastrous season was only averted by the well distributed local showers. These conditions have made it an expensive season as it was felt that the patrol force could not be safely reduced to any great extent until the fall rains came.

### **Mountain Look-out Stations.**

The Association territory is provided with as many mountain look-out stations as the combined resources of the State and Association can maintain at present, so no new ones have been built this year.

The aim this season has been to improve the present stations that they may give the best possible service. To secure the best results each station should have a comfortable, well equipped camp in order that we may employ and keep the best class of men as watchmen; the telephone lines should be connected directly with the public service lines in order that the watchman may talk with the wardens of the different towns which his station covers without the necessity of having the message repeated; each station should have a

detailed map of the surrounding country that the fires discovered may be definitely and accurately located.

This improvement work has been carried on steadily throughout the season and good progress has been made toward its completion. For reasons of economy these changes have been made by the watchmen during their spare time with the help of patrolmen where available. A number of new camps have been built and improvements have been made in the others, so that at present all are in a satisfactory condition. Nearly all of our telephone lines are now connected with the lines of the local companies. To do this, in most cases, it has been necessary to replace the single line grounded circuits with double line metallic circuits. This has been done at a small expense above the cost of the material used. The officials of the various telephone companies have shown a willingness to co-operate with us in the improvement of our service, which has been of great assistance. Maps for all the look-out stations have not been completed but good progress has been made.

### **Co-operation With the State.**

Up to September 1st the Association paid one-half of the wages of the four State District Chiefs. At that time a new appropriation made by the 1913 Legislature became available, which enabled the Forestry Department to pay the entire wages of its

chiefs.

The State and Association have co-operated in the improvement of the look-out and patrol service, and have worked together in the extinguishing of the fires which have occurred.

The Association has tried to make the duties of the town wardens lighter by the use of patrolmen, and in return has everywhere received the hearty assistance of these officials in the selection and supervision of the patrolmen.

### **Federal Patrol.**

The allotment to New Hampshire for this season from the United States Government under the provisions of the Weeks Law was \$8000.00. This is for the protection of the watersheds of navigable streams and, as in former years, the State Forester and the Forester of this Association were appointed agents of the United States Government to expend this fund under the direction of the United States Forest Service.

Sixteen federal patrolmen and six federal look-out station watchmen have been permanently employed throughout the season in the territory of the Association. The location of their routes and stations is given later in this report in connection with the patrol routes and look-out stations of the State and Association. This fund was entirely expended early in October, and the expense of paying them for the balance of the season was shared equally by the State and Association.

In anticipation of the prospective purchases of timberland in the White Mountain region, the

United States Forest Service has taken an active interest in the control and prevention of fires in that section. By the construction of telephone lines, establishment of tool supply depots, ranger patrol and rendering prompt assistance in fire fighting, the members of the Forest Service in New Hampshire have done much to reduce the season's damage.

### **Association Patrol.**

Patrol work was begun April 27th, and continued throughout the season. An analysis of the pay-roll shows that eleven men were employed permanently, six men between two and three months, seventeen men between one and two months and twenty-four men who worked less than one month. Among the men permanently employed were three who were so situated that they had other employment during wet weather, so that the Association did not have to pay them for this time, yet had their services when needed.

By referring to the list of patrolmen's routes given at the end of this report, it will be seen that the combined Federal and Association patrol force numbers twenty-eight permanent patrol men. This force can be readily expanded by employing temporary men when weather conditions demand it, the number of men to be added depending on the degree of danger.

It should be understood in considering the list

of patrol routes that the permanent patrolmen, during the less dangerous parts of the season, must cover much more territory than is credited to them in the list, which is meant to show all the routes which were covered at any time during the season.

Patrolmen's reports for the season show a total of 206 small fires extinguished by them and 4165 persons cautioned against the careless use of fire in the woods.

It is difficult to measure the benefit received from a system of patrol in dollars and cents, but it might be pointed out that the 206 fires put out by patrolmen need only do damage of thirty dollars each to make a total equal to the whole sum spent for patrol this season. It is also reasonable to suppose that a percentage of the people warned by patrolmen will in future be careful without such warnings, in this way each year should show an improvement in the attitude of the public toward the forest fire question.

#### **Advertising.**

Last year a list of the fire wardens, showing their telephone numbers, was printed in the directories of the Coos Telephone Company and White Mountain Telephone and Telegraph Company, and the same advertisement has been continued this year, as it is believed to have given excellent results.

#### **The Number and Area of Fires.**

Organized fire protection began in 1911, in New Hampshire, and the following statistics for the three years are given for the towns in which the Association members own land:

	Number of fires.	Total area burned.	Average area burned by each fire.
1911	70	4835 acres	69 acres
1912	123	4727 "	38 "
1913	142	2323 "	16 "

It is not fair to draw any comparisons from the number of fires or the total area burned, as weather conditions have varied each year, but the steady reduction in the average size of the individual fires would indicate that they are being discovered early and taken care of promptly on discovery.

The total area burned over this year, as given above, represents all the fires, regardless of ownership, in towns where members of the Association own land. While no accurate figures are available, it is estimated that the total amount of Association land burned is less than nine hundred acres.

#### **Patrolmen Employed in Territory of the New Hampshire Timberland Owners Association.**

The following list shows the routes of the patrolmen employed this season; those employed

by the U. S. Government are indicated by (U. S.), and those permanently employed are designated by a star.

TOWN		ROUTE
Pittsburg	*1.	Lower end of Indian Stream
	2.	Headwaters of Indian Stream
	3.	Perry Stream.
	*4.	Second Lake, Third Lake and trail to head of Diamond Stream.
Clarksville	5.	Lower end of Cedar Stream.
	*6.	Headwaters of Cedar Stream and Diamond Ponds.
Gilmanton and Atkinson	7.	Headwaters of Dead Diamond Stream and Four Mile Brook.
Dartmouth Grant	*8.	Lower end of Dead Diamond Stream.
Columbia	9.	Lyman Brook, Danforth Mt.
Stratford	10.	Bog Brook Valley.
Odell	11.	Upper end Nash Stream Valley.
	*12.	Lower end Nash Stream Valley.
	*13.	Swift Diamond Stream.
Dixville Errol	14.	Bean and Hodgdon's cuttings east of river.
	*15.	B. & H. cuttings west of river.
Millsfield	*16.	Millsfield Pond and logging

Cambridge	*17.	railroad. - <del>Chickwolnepy Stream</del> and Bog Brook Valley.
Dummer	18.	Dummer Pond, Newell Brook.
Stark	*19.	Phillips Brook and its branches
Stark	20.	Mill Brook and Grand Trunk Railroad.
Milan	21.	Grand Trunk Railroad from W. Milan to Head Pond.
	*22.	Ammonoosuc Valley in Milan and Berlin.
Berlin	23.	Mt. Forist and Jericho Brook.
Success	24.	Horne Brook.
	25.	Bean Brook and road to Berlin.
	*26.	Success Pond and road to Berlin.
Gorham	27.	Moose Brook and Ice Gulch.
	28.	<del>B. &amp; M. R. R., Gorham to Appalachia.</del>
Thompson and Meserve	*29.	<del>Glen Road, Peabody River and tributaries.</del>
Randolph	30.	<del>B. &amp; M. R. R., Appalachia to South Branch of Israel River.</del>
	*31.	Pond of Safety Trail and old cuttings.
Jefferson	32.	<del>B. &amp; M. R. R., from South Branch to forks of Israel River</del>

Jefferson, 33. ~~South branch of Israel River.~~  
 Low and Burbank  
 Jefferson 34. ~~Old Cherry Mountain road,~~  
 and Carroll Mill Brook and old cuttings.  
 Shelburne 35. Rattle River, Burbank and  
 Lead Mine Brooks.  
 Bethlehem 36. State Highway between Pro-  
 file House, Golf Links and  
 Gale River.  
 Benton \*37. (US) Kinsman Notch and Wild-  
 wood region.  
 38. Tunnell Brook.  
 39. Whitcher Brook and Long  
 Pond.  
 Woodstock 40. Lost River Valley to Camp  
 No. 6.  
 41. Mt. Cushman and Veazey's  
 cuttings.  
 42. Mt. Cilley and Elbow Pond.  
 \*43. (US) Russell Mt. and Loon Pond.  
 Lincoln \*44. (US) Mt. Pemigewassett and Flume  
 Brook.  
 Thornton \*45. (US) Logging railroad in Thornton  
 Gore.  
 46. Veazey's cuttings.  
 Waterville 47. Lower Mad River and Sand-  
 wich Notch.  
 Holderness 48. Woodstock Lumber Company's  
 cuttings.

Warren \*49. (US) Baker River Valley.  
 Lyme 50. Grant Brook, Sugar Hill, and  
 Smarts Mountain.  
 Piermont 51. Tarleton Ponds.  
 Jackson \*52. (US) Ellis River and Spruce Hill.  
 and  
 Pinkham  
 Grant  
 Jackson \*53. (US) Logging railroad from Glen  
 and Station to Storehouse.  
 Bartlett  
 Sargents 54. From storehouse to end of log-  
 ging railroad.  
 Purchase  
 Jackson 55. Miles River Valley.  
 \*56. (US) East Branch Saco River, Mt.  
 Pond and Burnt Knoll Brook.  
 Harts \*57. Highway from Bemis to Craw-  
 Location fords and fishing streams in  
 vicinity.  
 Liver- \*58. Logging railroad and Sawyers  
 more Pond.  
 Albany 59. Head waters of Swift River.  
 and  
 Waterville  
 Albany \*60. (US) Bear Mt. trail, Swift River and  
 and tributaries in Albany.  
 Bartlett  
 Albany \*61. Lower Swift River and tribu-  
 taries.

Tamworth\*62 (63) Paugus Valley.  
Sandwich 63. Guinea and Black Ponds.

**Mt. Look-Out Stations in Territory of New  
Hampshire Timberland Owners'  
Association.**

Thirteen stations are owned and maintained by the State and seven are owned by the Association, and the watchmen on the latter are paid by the United States Government. The stations of the Association are marked by a star in the following list:

Town	Name of Mountain
Pittsburg	*Deer
"	Magalloway
Dixville	† *Dixville
Stratford	Sugar Loaf
Millsfield	Signal
Cambridge	Black
Kilkenny	*Cabot
Gorham	Pine
Low & Burbank	Madison
Livermore	Carrigain
Conway	Kearsarge
Albany	*Chocorua
Bethlehem	Rosebrook
"	Agassiz
Benton	*Black
"	Moosilauke
Waterville	Osceola
Rumney	*Stinson
Croydon	Croydon
Sandwich	*Israels

†Not operated this season.