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Applied Forestry: Assuring Better Returns from Forest Holdings

John Appleton

James W. Sewall

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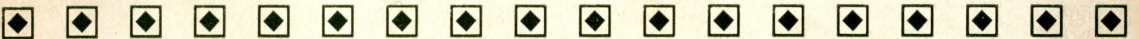
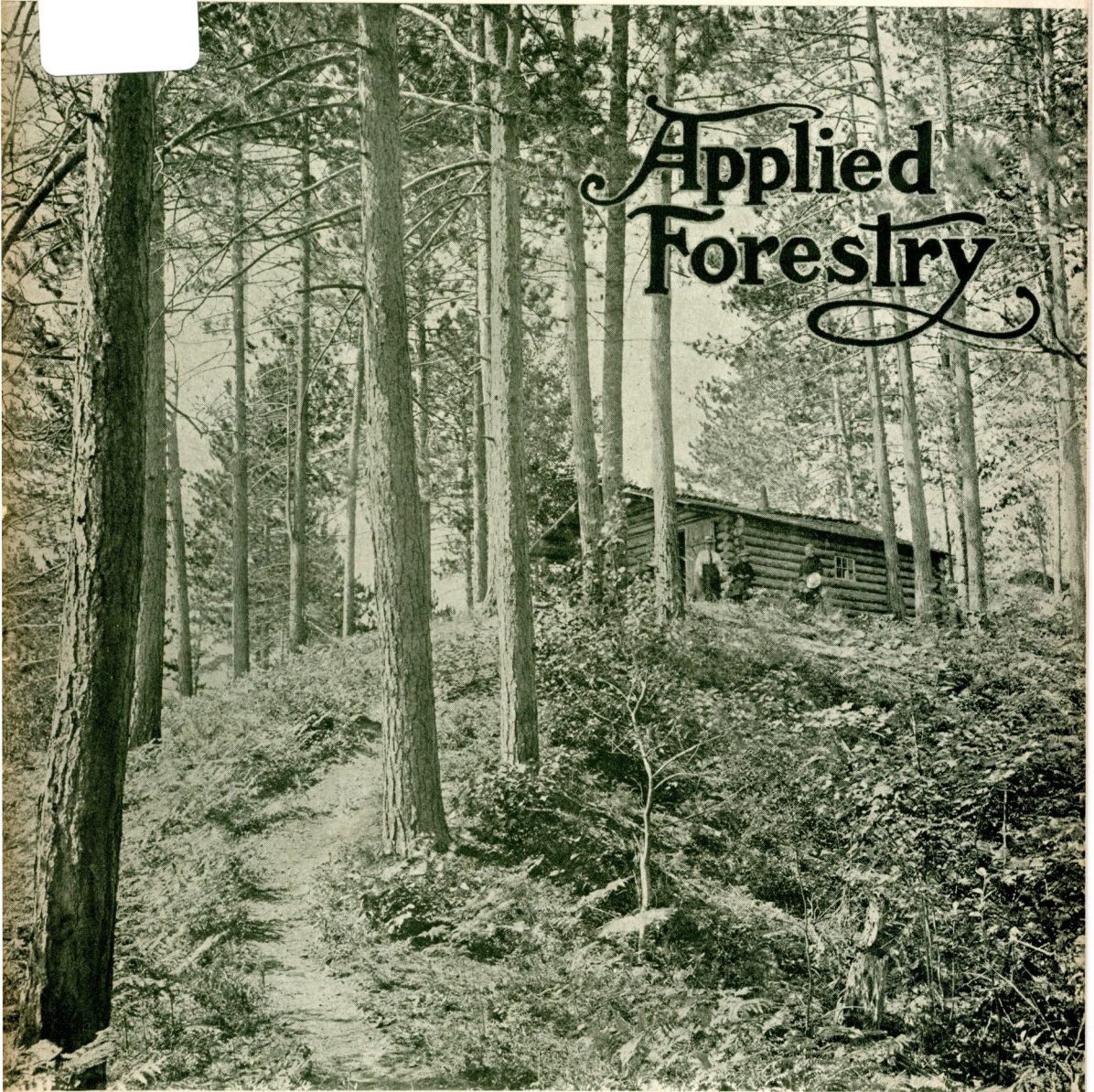
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Applied Forestry



APPLIED FORESTRY

ASSURING BETTER RETURNS
FROM
FOREST HOLDINGS

JOHN APPLETON, Bangor
JAMES W. SEWALL, Old Town

APPLETON & SEWALL

FORESTERS
AND SURVEYORS

MAIN OFFICES: BANGOR, MAINE
BRANCH OFFICE: OLD TOWN, MAINE

[c. 1911]

FEATURES OF OUR WORK

HANDLING OF PRIVATE FOREST ESTATES

WORKING PLANS OF TIMBER TRACTS

APPRAISEMENT OF FOREST LANDS

FUTURE VALUES

IMPROVEMENT THINNINGS

SURVEYING IN ALL BRANCHES

TIMBER ESTIMATES AND FOREST MAPS

INSPECTION OF LOGGING OPERATIONS

PLANS FOR PATROLLING FOREST LANDS

PLANTING AND NURSERY WORK

LOOK AT THE ENCLOSED MAP OF MAINE, ON WHICH THE RED SECTIONS
SHOW WORK RECENTLY DONE BY US

APPLIED FORESTRY

In the conservation of America's natural resources, in which such widespread and vital interest has been recently awakened all over the United States, the proper care and usage of the nation's forests is held to be of prime importance. The careful study of forestry and a practical application of its principles is in greatest measure responsible for this awakening of the nation's timber land owners to a realizing sense that they are fast losing the most valuable asset in their possession by permitting cuttings on a most extravagant and costly scale when, with a little foresight and system, these same forest holdings can be made to bring a fine return on their value for an indefinitely great length of time.

Thanks to modern forestry knowledge and methods, the possible increase in value of forest and timber lands can now be estimated with remarkable accuracy, and the probable yields in proper cuttings and sales of products can be told with a degree of exactness that would have seemed impossible even a few years ago. You already know that all wooded lands are steadily increasing in value; we want you to realize that practically all these wooded lands can be appreciably enhanced in value under careful management, and that it is our business, as practical foresters, to achieve the best possible results along these lines for our patrons.

PRIVATE FOREST ESTATES

The great majority of private forest estates are as a rule maintained chiefly for pleasure, yet it is a fact that the introduction of certain forestry principles on such tracts will not only improve the property for pleasure purposes but will also bring financial returns which will more than pay for the management. It is within our province not only to suggest plans for the proper management of such lands, but also to act as agent in managing the estates, supervising the cuttings and sale of products and assuming as general an oversight over the property as is desired.

WOODLOTS

Of late there has been a very appreciable increase in the value of woodlots owned by farmers and others in country places. Careless and indiscriminate cutting constantly decreases the worth of such tracts, while on the other hand proper management will allow the owner to cut liberally from his standing timber and yet have a permanent source of supply which is steadily increasing in value. The demand for hard and soft wood of nearly all descriptions is constantly becoming more marked, and woodlots properly managed can easily be made an important asset in one's property.

WE ARE IN A POSITION TO BUY AND SELL WOODLOTS AND TIMBER TRACTS ON FAVORABLE TERMS, AND SOLICIT INQUIRIES CONCERNING PROPERTIES OF THIS CLASS.

TIMBER ESTIMATES

More or less error inevitably creeps into the timber estimates made by the average explorer, a fact to be deplored since increasing values now-a-days make the need of accuracy in such matters all the more important. **WE MAKE ALL TIMBER ESTIMATES ACCORDING TO THE METHOD ADOPTED BY THE FOREST SERVICE OF THE UNITED STATES**, which in our judgment is the only method practical for accurate figures. Estimates made by the method mentioned above are found to give results correct within a very small per cent of the actual cut. We furnish forest maps showing the character and location of timber and the average stand in each location; we can also furnish maps showing topography, timber, and natural and artificial features. **THE MAP INSERTED IN THIS BOOKLET IS A SAMPLE OF OUR WORK IN THIS LINE.**

In case only a rough estimate of stand is desired at as low a cost as possible, as is sometimes the case in prospective buying, we have experienced men who can judge quantity of timber to a surprising degree of accuracy. We do not recommend this method, however, unless the margin of purchase or sale be large, as the most experienced woodsmen vary in their estimates. The method we recommend is the absolutely measured strip or sample plat system, where judgment, except as to discounts, is largely eliminated. It may be interesting to note that on a certain tract which was estimated by us to cut 100%, actual cutting gave 98%—not a bad showing, certainly.

SURVEYING

We are in an exceptionally fine position to undertake the surveying of wild lands in Maine or elsewhere, as we have experienced men who realize that surveying is the base of all management of forest holdings, and who know how to arrive at correct and lasting results in the work they perform. Often the land owner wishes his lines renewed to prevent encroachment of cuttings, when he desires nothing else done. No work of this kind is too small or too large for us, and we promise satisfaction, with good work in the field as well as on paper.

We are especially fortunate in having at hand a collection of data which has been many years preparing, enabling us to accomplish much work in Maine with greater efficiency and correctness than less well equipped firms are often able to do.

Any small towns or villages desiring surveying done, sewerage systems planned, streets laid out or grades established, will find our work as well done at reasonable terms as anywhere in the United States. Farmers especially have called on us for the running out of their boundaries, and we have yet to learn of a dissatisfied client.

APPRAISING

Except in mature forests, the value of timber lands should not always be based on the present value of the timber alone. Where second growth predominates or where the trees are as yet too small for saw timber, its future value should be discounted to the present time. To determine this value with accuracy we make a careful study of the rate of growth of the trees, and the future worth of the forest is then determined on a basis of its present condition. Such decisions are found to be of great value in the settlement of flowage cases, suits for damage, or similar instances.

THIS APPRAISEMENT SERVICE IS OF PARTICULAR IMPORTANCE TO BANKING AND BOND HOUSES WHO ARE ANXIOUS TO ASCERTAIN THE TRUE VALUE OF TIMBERED LANDS BEFORE DECIDING ON PURCHASES OR SALES RELATING TO IT.

INSPECTING OPERATIONS

When it comes to cutting timber, land owners are for the most part at the mercy of the operators, who cut as they see fit and seldom consider the best interests of the forest. Permits given to operators are not followed as closely as they should be and wasteful cuts are the inevitable result. It is possible to correct this all too prevailing custom, and land owners who are anxious to preserve the value of their holdings should see that the matter is carefully and promptly regulated. The inspection of logging operations and care that contracts are faithfully carried out is a service offered by this office.

FOREST PLANTING

Each year sees a notable increase in forest planting, both for commercial purposes and for parks and estates. We make suitable planting plans for tracts of any size, the trees recommended for planting depending naturally on the locality and character of the tract and the object desired by the owner. An estimate of cost for this class of work can be promptly given. When desired, we establish forest nurseries, and purchase planting stock.

PROTECTION AGAINST FIRE

Fire is the greatest enemy of the forest, and the only practical form of insurance today is the protection offered by patrolling or by establishing fire stations. It is

within the province of this office to make all arrangements for such protection, and to give estimates of cost per mile of erecting telephone lines for fire stations, or the cost per acre of patrolling waterways through timber tracts. Especially in the construction of railways we will recommend the right width that the right of way shall be cut, and will oversee and direct the proper cutting and construction thereof, as regards the timber adjacent, forming wherever possible a fire line through your property instead of a danger trap therein.

CONSULT US FREELY

We want you to feel free to ask us any question about practical forestry and how its principles can be applied to your forest holdings to best advantage and for best results. You must admit that your timbered property is well worth enhancing in value if possible; we hope you will grant us the favor of showing you how this possibility can be made practically a sure thing. We invite your early correspondence, or better still, a personal interview.

APPLETON & SEWALL

FORESTERS AND SURVEYORS

BRANCH OFFICE
OLD TOWN, MAINE

MAIN OFFICES
CITY HALL BUILDING, BANGOR, MAINE

HOW
OUR SERVICE APPEALS
TO PATRONS

SEASON OF 1909

LETTERS OF APPRECIATION FROM A FEW OF THE CLIENTS FOR
WHOM WE DID GOOD WORK IN 1909

“ WORK WAS MOST SATISFACTORY ”

GREAT NORTHERN PAPER COMPANY
SPRUCE WOOD DEPARTMENT
ROOMS 60-61 MORSE-OLIVER BUILDING

APPLETON & SEWALL,
City Hall Building,
Bangor, Maine.

Bangor, Maine, Dec. 24, 1909.

DEAR SIRs:

Your work in blocking and estimating of approximately forty thousand acres, owned by the Great Northern Paper Company, this summer, was most satisfactory. The results of such work are unquestionably of value to us in handling timber lands.

Yours truly,

F. A. GILBERT.

“ JUST THE INFORMATION WANTED ”

SAMUEL F. HERSEY LAND COMPANY
BANGOR, MAINE
BRANCH OFFICE : ST. PAUL, MINN.

MESSRS. APPLETON & SEWALL,
Bangor.

St. Paul, Dec. 22, 1909.

GENTLEMEN:

In reply to your inquiry of the 15th inst., we desire to say that the forestry work you did for us this year is entirely satisfactory to us. Your report and map were comprehensive and gave us just the information we wanted.

We shall undoubtedly call upon you again for further services of this character.

Yours very truly,

SAM'L F. HERSEY LAND CO.,

D. A. Mudge, Prest.

“ DEMONSTRATED THEIR VALUE ”

STANLEY P. DENNETT
TIMBER LANDS
182 EXCHANGE STREET

APPLETON & SEWALL,
Bangor, Maine.

Bangor, Maine, Dec. 17, 1909.

DEAR SIR:—

I am pleased to state that your work for me on various timber land properties amounting to about thirty thousand acres is entirely satisfactory and your timber working plans, estimates and other reports have already demonstrated their value.

I shall take great pleasure in recommending your services to others.

Yours very truly,

STANLEY P. DENNETT.

“ SUCH WORK IS BENEFICIAL ”

APPLETON & SEWALL,
City Hall Building,
Bangor, Maine.

Bangor, Maine, Dec. 24, 1909.

DEAR SIR:—

Your work on Township 5, Range 15, this last summer, which consisted of blocking, estimating and making of a topographic map, was most satisfactory. Being personally acquainted with the conditions in the town, your estimates and figures were conservative and close. Such work is beneficial to all those owning timber lands.

Very truly,

HERSEY LAND COMPANY,

By John B. Buzzell.

SEASON OF 1910

FURTHER RECOMMENDATIONS FROM SATISFIED PATRONS, COVERING WORK DONE IN MAINE, MISSOURI AND IN BETWEEN

“ MUCH PLAINER THAN ORDINARY WOODS WORK ”

From J. B. Bartlett, head scaler and fire warden on the Machias and Aroostook water shed for the land owners.

JAS. W. SEWALL, Esq.,
Old Town, Maine.

Ashland, Maine, Nov. 12, 1910.

DEAR SIR :

Have recently returned from an exploring trip on Township 9, Range 7 where we found lots of your work of last season. We found the line so plain and the markings at corners, streams and all main roads so distinct and easily understood that we often spoke of it, and found it a great help to us in our travels.

We found your work so much plainer than the ordinary woods work that I feel it my plain duty to express to you our appreciation of it.

Very truly yours,

J. B. BARTLETT.

“ WORK OF GREAT VALUE ”

RUFUS MANSUR ESTATE
WALTER MANSUR ESTATE

R. H. PALMER, AGENT

APPLETON & SEWALL,
Bangor, Maine.

Bangor, Maine, Dec. 27, 1910.

GENTLEMEN :

In reference to your work on timber and topographical maps, estimates and conditions of timber on Township 16, Range 4, Aroostook County, Maine, I am very glad to state that your work has been most satisfactory, and of great value to the operators as well as the owners of this Township.

Yours truly,

Dic.

R. H. PALMER, Agent.

“ APPRECIATION AND SATISFACTION ”

H. S. FERGUSON
ENGINEER
MILLINOCKET, MAINE

MR. JAMES W. SEWALL,
Oldtown, Maine.

Millinocket, Maine, Dec. 19, 1910.

MY DEAR MR. SEWALL:—

I would have replied to your letter of December 10th more promptly, but have been away, and have just returned this morning.

I shall be very glad to express my appreciation and satisfaction with regard to the work which you recently did for us, to anybody whom you may choose to refer to me.

Yours truly,

HSF-K

H. S. FERGUSON.

“ HAS MORE FOR US TO DO ”

DAVID PINGREE
SALEM, MASS.

MESSRS. APPLETON & SEWALL,
Bangor, Maine.

December 13, 1910.

GENTLEMEN:

Referring to the work which Mr. Sewall is doing on land in which I am interested, I would say that after it is completed, I have other surveying and exploration work to be done which I trust you will be able to attend to the coming season.

Yours truly,

DAVID PINGREE.

“ HIGH QUALITY OF WORK ”

KATAHDIN PULP AND PAPER CO.
MANUFACTURERS OF
SULPHITE SPRUCE FIBRE

GEO. E. KEITH, PRESIDENT
EDWARD B. DRAPER, TREAS. AND GEN. MAN.

MESSRS. APPLETON & SEWALL,
Bangor, Maine.

Lincoln, Maine, Dec. 14, 1910.

DEAR SIRS:

We desire to express our satisfaction with the high quality of work which you did for us in your recent survey and report with reference to wild lands. Your report certainly illustrated a commendable degree of care and thoroughness.

Very truly yours,

KATAHDIN PULP AND PAPER CO.

By E. B. Draper, Treas.

“SATISFACTORY IN EVERY RESPECT”

BONNE TERRE FARMING & CATTLE COMPANY

APPLETON & SEWALL,
Bangor, Maine.

Bonne Terre, Mo., Jan. 13, 1910.

GENTLEMEN:—

Replying to your letter of the 10th, we desire to state that your report on the timberlands of the St. Joseph Lead Company, was satisfactory in every respect, and that after receiving it and going over it carefully, have decided to do some planting and to follow out your instructions.

Yours truly,
BONNE TERRE FARMING & CATTLE CO.

“DONE IN A SATISFACTORY MANNER”

From S. F. Peaslee, head scaler and fire warden for the land owners on the Rangeley Lakes and adjoining territory.

APPLETON & SEWALL,
Bangor, Maine.

Upton, Maine, Dec. 17, 1910.

GENTLEMEN:

Having seen on the ground quite a little of the field work in land surveying done by James W. Sewall, (Jr.) on the Androscoggin watershed, will say it was done in a satisfactory manner.

Yours truly,
S. F. PEASLEE.

“GOOD LINES AND CORNERS”

From C. L. Sawyer, head scaler for the land owners on the Upper St. John River waters, Maine.

St. Pamphile, P. Q., Dec. 20, 1910.

TO WHOM IT MAY CONCERN:

Having worked with Mr. J. W. Sewall on lines I find that he makes very good lines and puts up good corners. Also having travelled over many of his lines on the Upper St. John waters in Maine, I find them to be very plain, both well bushed and spotted.

(Signed) CLAUDE L. SAWYER.

“OUR LINES VERY PLAIN”

From H. E. Hasey, head fire warden and scaler, Lower Allegash and St. John waters.

MR. JAMES W. SEWALL,
Oldtown, Maine.

St. Francis, Maine, Jan. 9, 1911.

DEAR SIR:—

I have been on several of the lines that you run in this section during the summer of 1907, and I call them very plain, and the corner posts are extra good, and well set and witness marked.

Yours very truly,
HARRY E. HASEY.