

MAINE STATE LEGISLATURE

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PUBLIC DOCUMENTS OF MAINE

1913

BEING THE

ANNUAL REPORTS

OF THE VARIOUS

DEPARTMENTS AND INSTITUTIONS

For the Year 1912

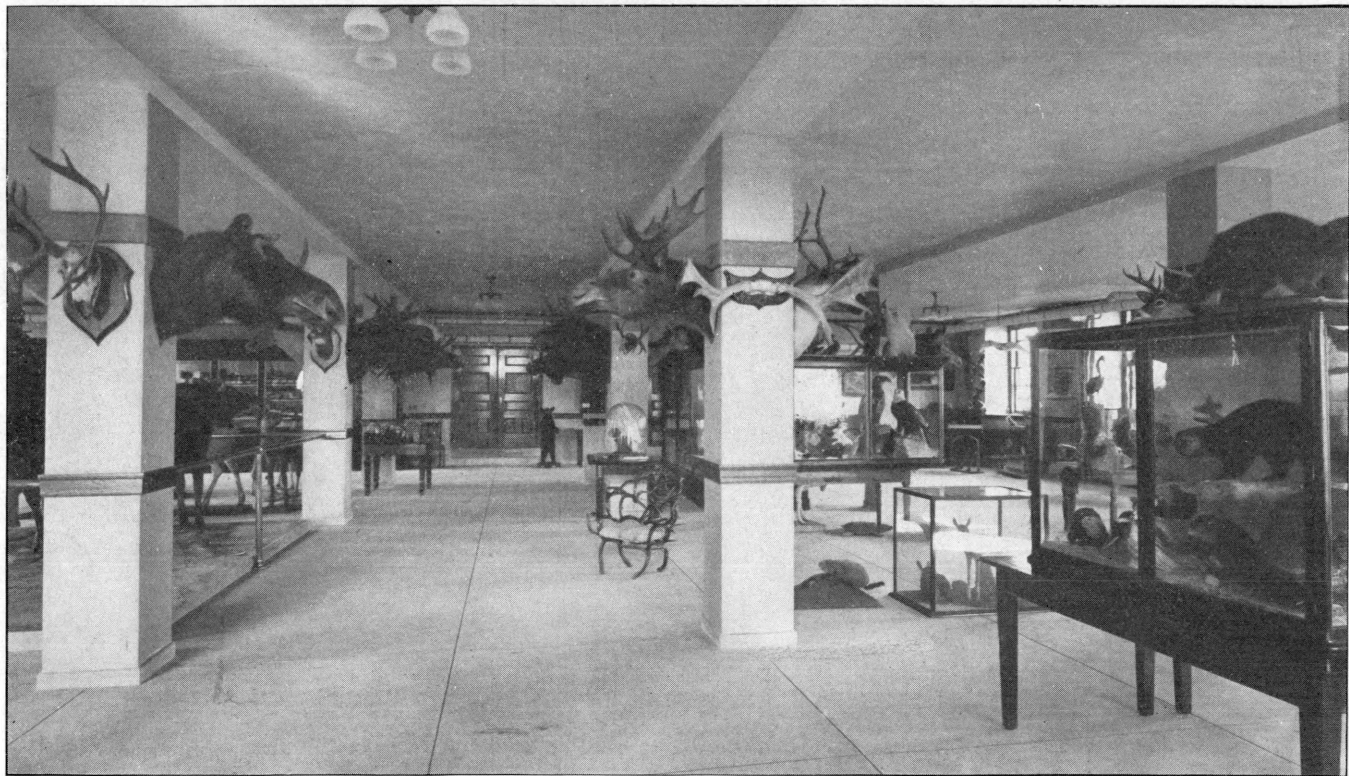
VOLUME II



WATERVILLE

SENTINEL PUBLISHING COMPANY

1914



State Museum

REPORT

OF THE

COMMISSIONERS

OF

INLAND FISHERIES AND GAME

FOR THE

STATE OF MAINE

FOR THE YEAR

1912



WATERVILLE
SENTINEL PUBLISHING COMPANY

1913

THE UNIVERSITY OF CHICAGO

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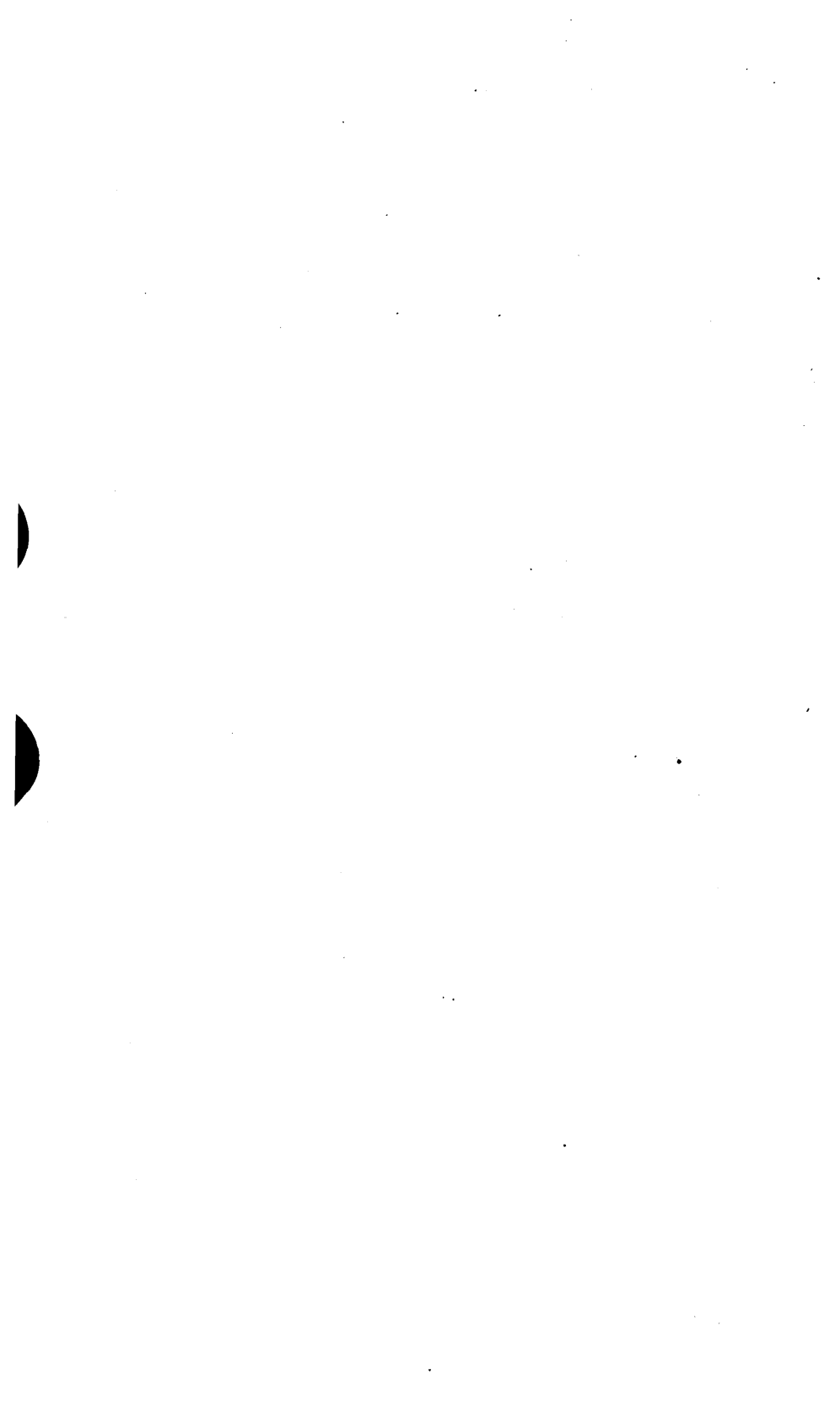
STATE OF MAINE.

To His Excellency, Frederick W. Plaisted, Governor of Maine:

The Commissioners of Inland Fisheries and Game have the honor to present to Your Excellency their report for the year ending December 31, A. D. 1912, as required by section 35 of chapter 32, of the Revised Statutes.

J. S. P. H. WILSON, *Chairman,*
BLAINE S. VILES,
F. E. MACE,

Commissioners of Inland Fisheries and Game.



We respectfully submit detailed record of the operation of the ten fish hatcheries and feeding stations for fish in the State for the year 1912.

As will be seen by the following reports of the Superintendents of the several fish hatcheries, 2,208,900 square-tailed trout were raised at these hatcheries and planted in the public waters of the State this year, also 1,332,500 land-locked salmon, 32,000 brown trout and 55,323 lake trout or togue,—total, 3,628,723 fish.

We are wintering in our hatcheries 264,000 square-tailed trout and land-locked salmon which were hatched this year, to be planted as yearlings next season.

We have taken 2,566,000 fish eggs this fall, as follows:

1,758,000 land-locked salmon eggs, 648,000 trout eggs, 85,000 brown trout eggs and 75,000 lake-trout or togue eggs.

As the supply of fish eggs obtained this season is not sufficient, we have purchased several millions of trout eggs from private hatcheries within and without the State. We have been promised a liberal consignment of land-locked salmon eggs and some trout eggs by the U. S. Fish Commission.

Owing to the constantly increasing demand for square-tailed trout for stocking our waters, the policy of the present commission is to raise a larger proportion of trout than salmon.

REPORT OF GENERAL SUPERINTENDENT OF
HATCHERIES.

Commissioners of Inland Fisheries & Game:

Gentlemen:—

I have the honor of submitting to you my fifth Annual Report of the operation of the ten State Fish Hatcheries and Feeding Stations for the year 1912. They have all been run in a very successful and satisfactory manner.

Owing to our increased capacity and the cool water through the summer months, we have been able to plant many more fingerlings than in any previous year. We have in our hatcheries now over two hundred thousand fingerlings to be fed another year and planted when from eight to ten inches long. We also have in our hatcheries over 4,000,000 trout eggs; 1,758,000 land-locked salmon eggs; 85,000 brown trout eggs; and 75,000 togue eggs, for the year 1913.

I would suggest that, with proper funds available, there be built a feeding pond at Camden, and a series of small ponds at Moxie and an additional trough stand at Enfield, as it would greatly increase our output of fed fish at a very moderate cost.

Respectfully submitted,

ARTHUR BRIGGS,

Gen'l Supt. State Hatcheries.

REPORT OF THE CARIBOU FISH HATCHERY FOR THE YEAR 1912.

L. M. ALLEY, Supt.

LAND-LOCKED SALMON.

375,000 land-locked salmon eggs were taken at this hatchery in 1911. On March 27, shipped 50,000 eyed salmon eggs to the Auburn Hatchery; April 4, shipped 100,000 eyed salmon eggs to the Belgrade Hatchery.

Loss from time of taking to time of hatching	16,000
Loss from time of hatching to time of planting	8,500
Number planted	163,500

These fish were liberated in the following waters:

Sept.	25, Nickerson Lake, Limerick	5,000
	25, B. Pond, Ludlow	5,000
	26, Drew Lake, Oakfield	5,000
	27, Whitehead Lake, Bridgewater...	5,000
	28, Ross Lake, Littleton	5,000
	Cary Pond, Littleton	5,000
	30, Cochran Lake, Ludlow	5,000
Oct.	1, Timony Lake, Oakfield	5,000
	2, Plunkett Pond, Sherman	5,000
	3, St. Froid Lake, Winterville.....	5,000
	5, Pleasant Pond, Island Falls	7,500
	7, Eagle Lake, Eagle Lake	10,000
	9, Square Lake, T. 15 & 16, R. 5....	10,000
	10, Cross Lake, T. 16 & 17, R. 5....	10,000
	11, Long Lake, T. 17, R. 3 & 4.....	10,000
	15, Madawaska Lake, New Sweden..	10,000
	16, Squa Pan Lake, T. 4, R. 6-Squa Pan	10,000
	18, Bryant Pond, Maple Grove.....	10,000
	19, Echo Lake, Presque Isle	6,000
	21, Portage Lake, Portage	10,000
	22, Little Machias Lake, Portage....	10,000
	24, Fish River, Portage	10,000

30,000 land-locked salmon were wintered at this hatchery 1911-12.



Caribou Hatchery

These fish were liberated in the following waters:

May 15,	Prestile Stream, Westfield	5,000
24,	Big Machias Lake	2,500
25,	Echo Lake, Presque Isle	2,500
	Squa Pan Lake, T. No. 4, R. 6...	2,500
24,	Portage Lake, Portage	2,500
Oct. 15,	Caribou Lake, Washburn	5,000
17,	Nickerson Lake, Houlton	5,000
Nov. 21,	Big Machias Lake, Ashland	5,000

37,000 land-locked salmon to be wintered at this hatchery.

SQUARE-TAILED TROUT.

No square-tailed trout eggs taken at this hatchery in the fall of 1911.

Dec. 18, received from American Fish Culture Co., Carolina, R. I., eggs that the State purchased

100,000

Loss from time of taking to time of hatching

2,000

Loss from time of hatching to time of planting

43,000

Number planted

55,000

These fish were liberated in the following waters:

May 13,	Caribou Stream, Caribou	14,000
	Otter Brook, Caribou	6,000
14,	Squa Pan Lake, No. 4, R. 6	10,000
16,	Little Machias Lake, Ashland ...	10,000
18,	Presque Isle Stream, Presque Isle	10,000
	Deadwater Pond, Ludlow	5,000

190,000 land-locked salmon eggs have been taken at this hatchery this fall.

REPORT OF THE ENFIELD FISH HATCHERY FOR THE YEAR 1912.

CHARLES E. DARLING, Supt.

LAND-LOCKED SALMON.

135,000 land-locked salmon eggs were taken at this hatchery in 1911.

Loss from time of taking to time of hatching	17,235
Loss from time of hatching to time of planting	20,765
Number planted	97,000

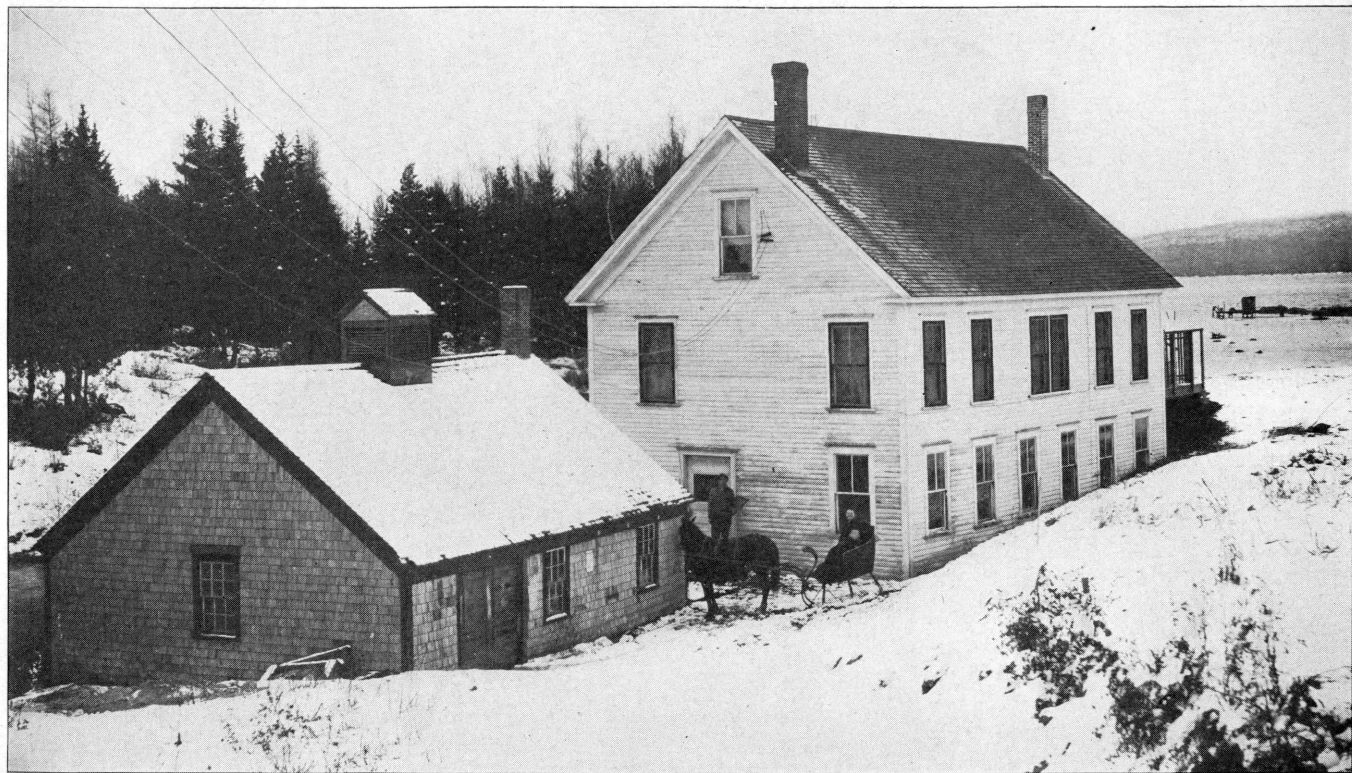
These fish were liberated in the following waters:

June	Cold Stream Lake, Enfield	15,000
	Bog Brook, Green Lake tributary, Hancock County	10,000
Sept. 26,	Farrar's Lake, Topsfield	5,000
	27, Jackson Brook Lake, Brookton..	5,000
	25, Spednic Lake, Washington County	5,000
	28, Musquash Lake, Topsfield	5,000
	30, St. Croix River, Washington Co.	3,000
Oct.	1, Grand Lake, Washington County	5,000
	2, Lambert Lake, Washington Co...	5,000
	3, Great Brook, Washington County	5,000
	5, Grand Lake Stream, Wash. Co...	5,000
	8, Cathance Lake, Cooper	10,000
	10, Schoodic Lake, Washington Co.	3,000
	Cold Back Lake, Washington Co.	3,000
	13, Little Pistol Pond, Hancock Co.	1,500
	15, No. 3 Lake, Penobscot County...	2,500
	17, Cold Stream Lake, Enfield	9,000

SQUARE-TAILED TROUT.

No square-tailed trout eggs taken at this hatchery fall of 1911.

Received from Rhode Island Hatchery, eggs that the State purchased	400,000
Loss from time of taking to time of hatching	95,650
Loss from time of hatching to time of planting	53,850



Enfield Hatchery



Number planted250,500

These fish were liberated in the following waters:

May 14,	Spednicook Lake, Vanceboro	10,000
	Birch Stream, Oldtown	5,000
17,	Tunk Pond, Hancock County....	10,000
	Tunk Pond, Hancock County....	5,000
	Tunk Pond, Hancock County....	10,000
	Tunk Pond, Hancock County....	5,000
	Tunk Pond, Hancock County....	5,000
	Tunk Pond, Hancock County....	5,000
	Tunk Pond, Hancock County....	5,000
	Tunk Pond, Hancock County....	9,000
	Lambert Lake, Washington Co..	5,000
	St. Croix River, Washington Co..	5,000
	Long Pond, Mt. Desert Island...	10,000
	Eagle Lake, Mt. Desert Island...	5,000
	Jordan Pond, Mt. Desert Island..	5,000
	Bubble Pond, Mt. Desert Island..	5,000
	Donnell Pond, Hancock County..	7,500
	Fox Pond, Hancock County.....	5,000
	Molasses Pond, Hancock County	6,000
	Spring River Lake, Hancock Co..	5,000
	Tunk Pond, Hancock County....	5,000
	Patten's Pond, Hancock County..	5,000
	Halfmile Pond, Hancock County	5,000
	Giles Pond, Hancock County.....	5,000
	Partridge Pond, Hancock County	5,000
	Ducktail Pond, Hancock County	5,000
	Hinckley Brook, Hancock County	5,000
	Scotch Brook, Hancock County..	5,000
	Donnell's Pond, Hancock County	5,000
	Cathance Lake, Washington Co...	5,000
	Sullivan Brook, Hancock County	5,000
	Fox Pond, Hancock County.....	3,000
	Kelley Lake, Washington County	4,000
	Turner Stream, Washington Co.	5,000
	Grand Lake Stream, Wash. Co.	20,000
	Pennamaquam Stream, Wash. Co.	7,500
	Kilkenny Stream, Hancock County	3,000
	Branch Lake, Hancock County...	7,500
	Cold Stream Lake, Enfield.....	18,000

LAKE TROUT OR TOGUE.

65,000 Lake Trout or Togue eggs taken fall of 1911.

· Loss from time of taking to time of
hatching 7,677

Loss from time of hatching to time
of planting 1,500

Number planted 30,823

These fish were liberated in the following waters:

May	Lake Manhannock, Pisc. Co.....	5,000
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	Whetstone Pond, Pisc. Co.....	5,000
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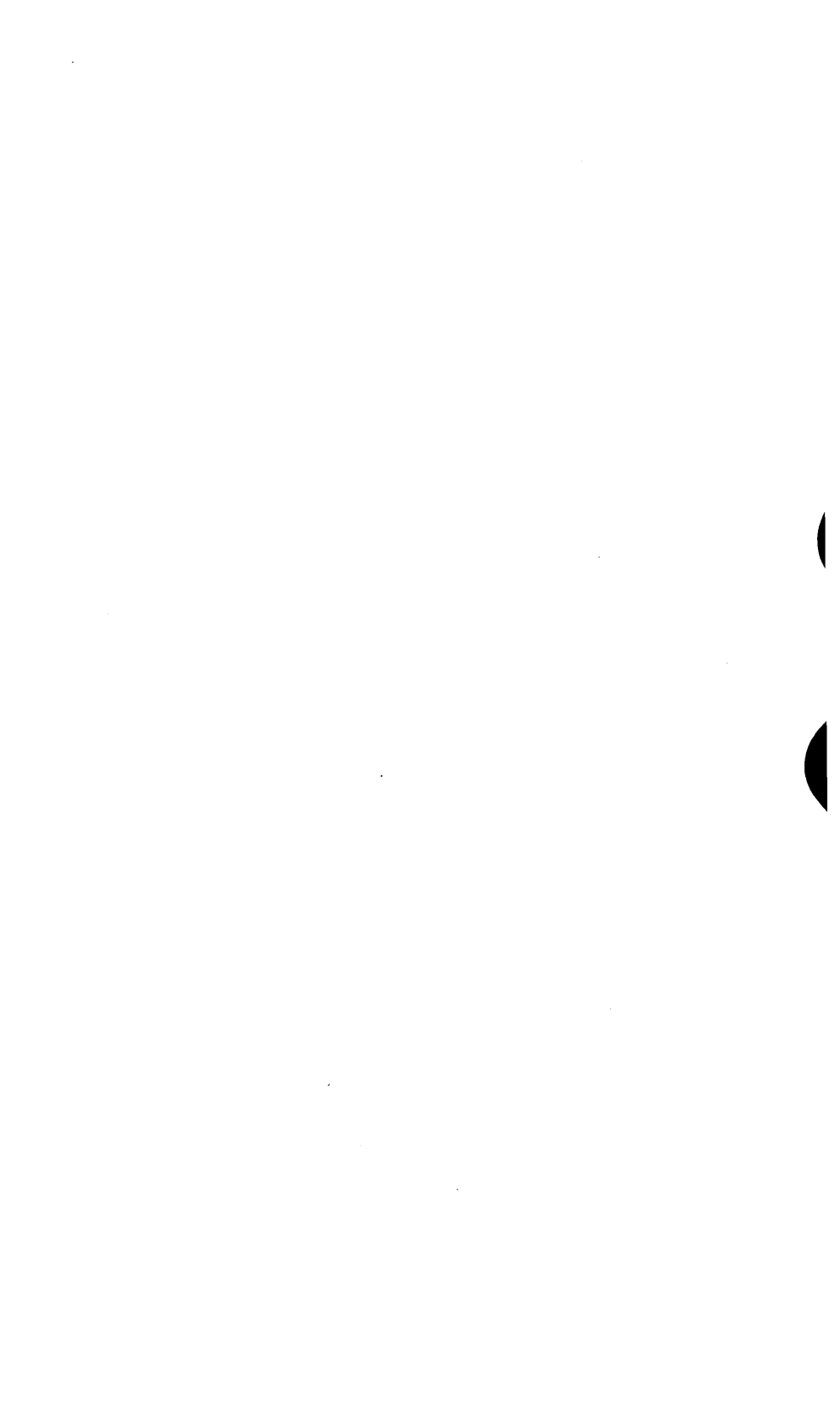
	Waters in Androscoggin Co.....	5,000
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	Cold Stream Lake, Enfield.....	15,823
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25,000 togue eggs shipped to Monmouth.

108,000 land-locked salmon eggs taken at this hatchery this
fall.

75,000 togue eggs taken at this hatchery this fall.





Moosehead Lake Hatchery

REPORT OF THE MOOSEHEAD FISH HATCHERY FOR THE YEAR 1912.

PAUL J. BACHELDER, Supt.

LAND-LOCKED SALMON.

No land-locked salmon eggs taken at this hatchery fall of 1911.

Received from the Oquossoc Hatchery, eggs purchased by the State	200,000
Loss from time of taking to time of hatching	5,000
Loss from time of hatching to time of planting	45,000
Number planted	122,000

These fish were liberated in the following waters:

Oct. 14, Chesuncook Lake, Pisc. Co.....	10,000
18, Big Fish Pond, Jackman	4,000
Supply Pond, Moose River	1,000
Wood Pond, Jackman	5,000
Crocker Pond, Somerset Co....	1,500
Squaw Brook, tributary to Moosehead Lake	25,000
Crocker Pond, Somerset Co.....	5,000
19, Sebec Lake, Sebec	10,000
North Pond, Elliottsville.....	3,000
21, Shadow Pond, Greenville Jct....	2,500
Squaw Brook, tributary to Moosehead Lake	55,000
Number on hand to be wintered ..	28,000

5,000 land-locked salmon wintered at this hatchery winter of 1911-12.

Loss to time of planting	2,000
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These fish were planted in the following waters:

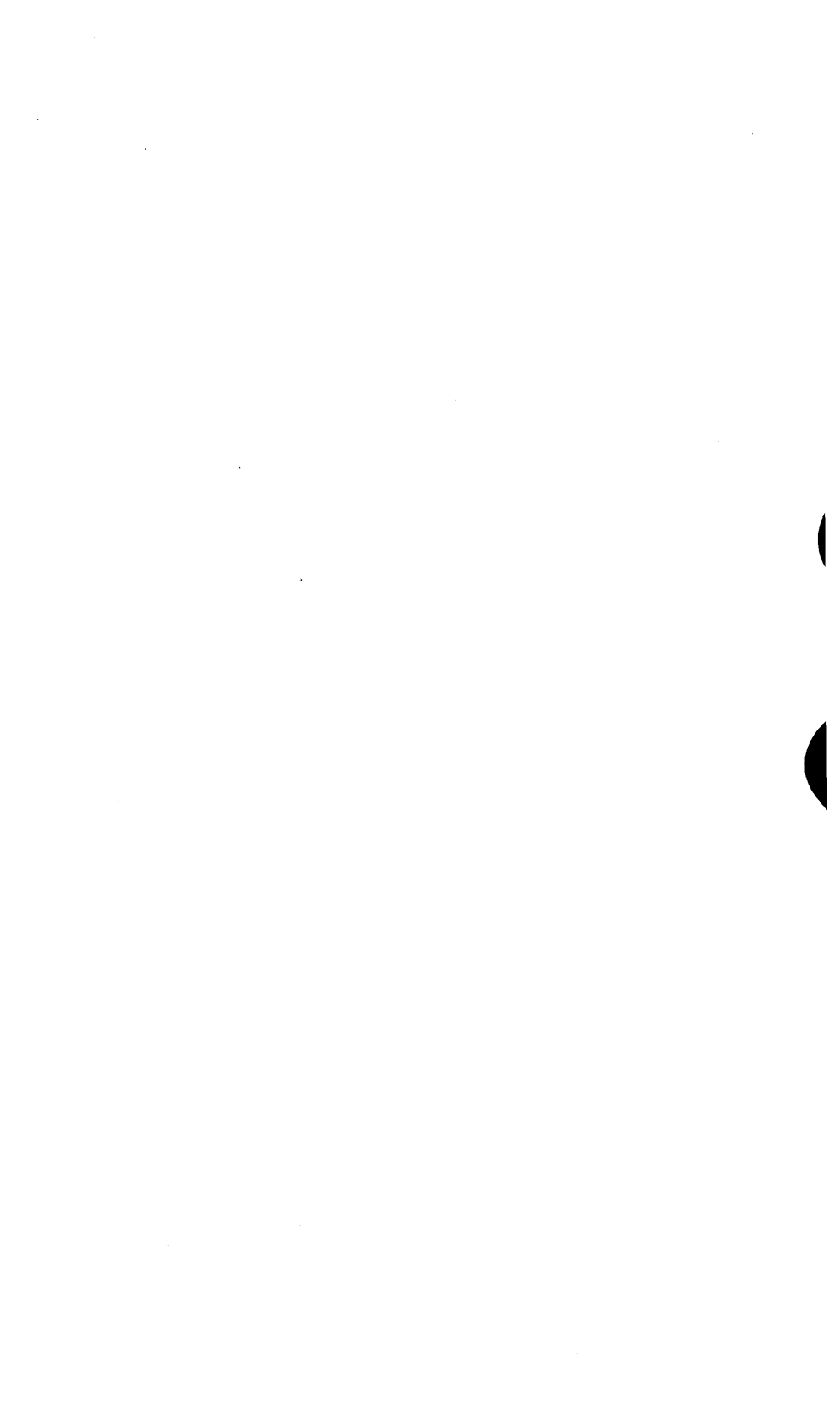
Oct. 24, Squaw Brook, tributary to Moosehead Lake	3,000
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SQUARE-TAILED TROUT.

No square-tailed trout eggs taken at this hatchery fall of 1911.

Received from Spring Brook Hatchery, Augusta, eggs that State purchased	300,000
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Loss from time of taking to time of hatching	50,000
Loss from time of hatching to time of planting	77,000
Number planted	173,000
June 10, Heald Pond, Jackman	5,000
Moose Pond, Jackman	5,000
Lake Parlin, Jackman	5,000
Long Pond, Jackman	5,000
Cold Stream, Somerset Co.....	5,000
Echo Lake, Somerset Co.....	5,000
Little Big Wood Pond, Dennistown	5,000
Attean Lake, Somerset Co.....	5,000
Fish Pond, Thorndike Township, Som. Co.....	5,000
Mud Lake, Somerset Co.....	5,000
Jones Pond, Somerset Co.....	5,000
Mac Pond, Somerset Co.....	2,500
Crocker Pond, Moose River Township, Som. Co.....	5,000
Foss Pond, Guilford	10,000
Big and Little Bunker Ponds No. Blanchard	5,000
Monson Pond, Monson	10,000
Lake Hebron, Monson	10,000
June 11, Little Moxie Pond, Shirley	5,000
Wilson Pond, Greenville	5,000
Shirley Mill Stream, Shirley.....	7,500
Schoolic Lake, Schoolic	10,000
Garland Pond, Foxcroft	7,500
North Pond, Elliottsville	5,000
12, Roach River, Kokadjo	10,000
Squaw Brook, tributary to Moose- head Lake	10,500
Ragged Lake, Grant Farm, Pisc. Co.....	15,000





Lake Moxie Hatchery

REPORT OF THE LAKE MOXIE HATCHERY FOR
THE YEAR 1912.

PAUL HINDS, Supt.

No land-locked salmon were raised at this hatchery this year.

SQUARE-TAILED TROUT.

No trout eggs were taken at this hatchery last year.

The following trout eggs were received from other hatcheries:

From Cumberland Center, (eggs purchased by the State)	300,000
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From Colorado, (from U. S. Fish Commission)	100,000
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400,000

Loss from time of taking to time of hatching	15,000
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Loss from time of hatching to time of planting	257,100
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Number planted	127,900
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These fish were liberated in the following waters:

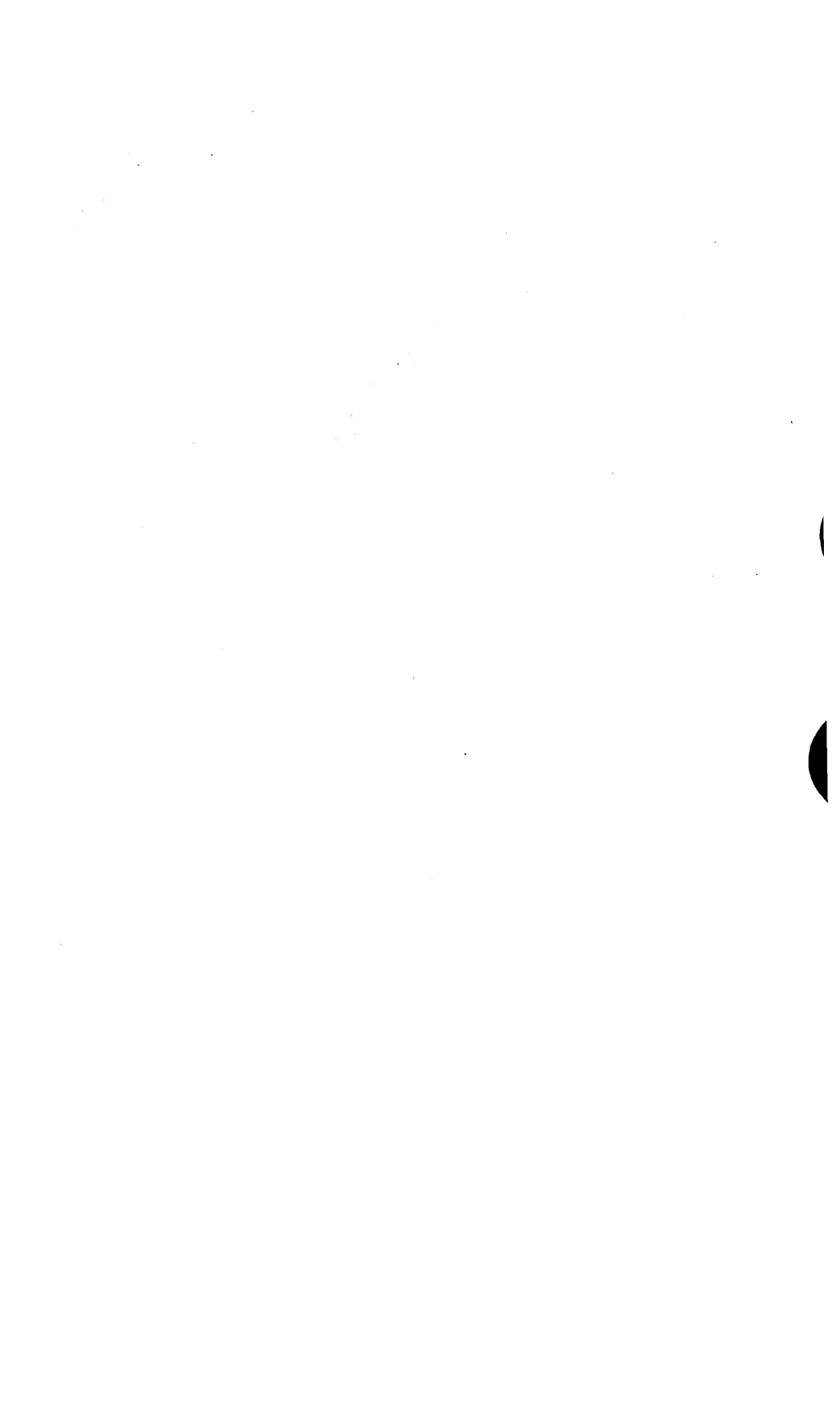
June 30, High Pond, Caratunk	2,500
Helen Pond, Caratunk	2,500
Sept. 24, Moore's Pond, Jackman	1,500
Crocker Pond, Jackman	1,500
25, Lake Parlin, Cold Stream, Enchanted & Snake Ponds, Jackman	7,500
Oct. 4, Fish Pond, Jackman	1,500
Heald Pond, Jackman	1,500
Little Fish Pond, Jackman	1,500
8, Moxie Pond, Mosquito	10,000
10, Bog Brook, Jackman	1,500
Deer Pond, Jackman	1,500
Mud Pond, Jackman	1,500
Barrett Pond, Jackman	1,500
Lowell Pond, Jackman	1,500
12, Fernald Pond, Jackman	1,000
18, Crosby Pond, Eustis	2,500

	Arnold Pond, Eustis	2,500
24,	Dimmick Ponds, Caratunk	5,000
	Hancock Pond, North New Port- land	5,000
Nov. 4,	Knights Pond, The Forks	2,000
9,	Tributaries of Carrabasset River	500
19,	Enchanted Lake, Jackman	1,900
June 6,	Mosquito Pond, Mosquito	20,000
	Mosquito Brook, Mosquito	20,000
	Sandy Stream, Mosquito	10,000
7,	Baker & Dimmick Ponds, Mosquito	20,000

1,500 square-tailed trout wintered at this hatchery winter of 1911-12.

These fish were liberated in the following waters:

June 3,	Knight's Pond, Forsyth	200
6,	Rowe Pond, Bingham	200
8,	Hayden Lake, Madison	200
	Pond at North New Portland	200
5,	Pleasant Pond, Bingham	200
15,	Mosquito Brook, Mosquito Station	300
May 28,	Pleasant Pond, Bingham	200





Belgrade Hatchery

REPORT OF THE BELGRADE FISH HATCHERY FOR THE YEAR 1912.

GRANT HINDS, Supt.

LAND-LOCKED SALMON.

No land-locked salmon eggs were taken at this hatchery in 1911. The land-locked salmon raised at this hatchery this year were hatched from eggs shipped to this hatchery from the Green Lake Hatchery and the Caribou Hatchery:

Received from Green Lake Hatchery.....	75,000
Received from Caribou Hatchery	100,000
Loss from time these eggs were received at Belgrade to time of hatching	2,500
Loss from time of hatching to time of planting	7,500
Number planted	157,000

These fish were liberated in the following waters:

Sept. 30, Kingsbury Pond, Kingsbury	5,000
Oct. 3, Sebasticook Lake, Newport	6,000
5, Lake Embden, North Anson	5,000
12, Oakes Pond, East Skowhegan...	2,500
14, Indian Pond, Whiting	3,000
15, Bog Lake, Northfield	5,000
16, Bog Lake, Northfield	5,000
17, Green Lake, Ellsworth	4,000
18, St. Georges Lake, Liberty	5,000
22, Sandy Stream Pond, Freedom...	3,000
24, Baker Pond, Spaulding Town...	3,000
28, Flanders Pond, Sullivan	3,000
Little Tunk Pond, Sullivan	5,000
29, Molasses Pond, Eastbrook	2,500
30, Fox Pond, T. 10, Hancock Co...	3,000
31, Tunk Pond, Cherryfield	4,000
Nov. 1, Half Mile Pond, Aurora	5,000
7, Long Pond, Mt. Desert Is.....	4,000
18, Narrows Pond, Winthrop	4,000
Great Pond, Belgrade	25,000
Salmon Lake, Belgrade	20,000

Snow Pond, Belgrade	25,000
McGraw Pond, Belgrade	4,000
Long Pond, Belgrade	6,000
Number of land-locked salmon to be wintered at this hatchery	8,000
15,000 land-locked salmon were wintered at this hatchery	
1911-12.	

These fish were liberated in the following waters:

May 16, Spring Lake, Flagstaff	2,500
23, Narrows Pond, Winthrop	2,000
27, Great Pond, Belgrade	4,000
Snow Pond, Belgrade	5,000
Salmon Lake, Belgrade	1,500

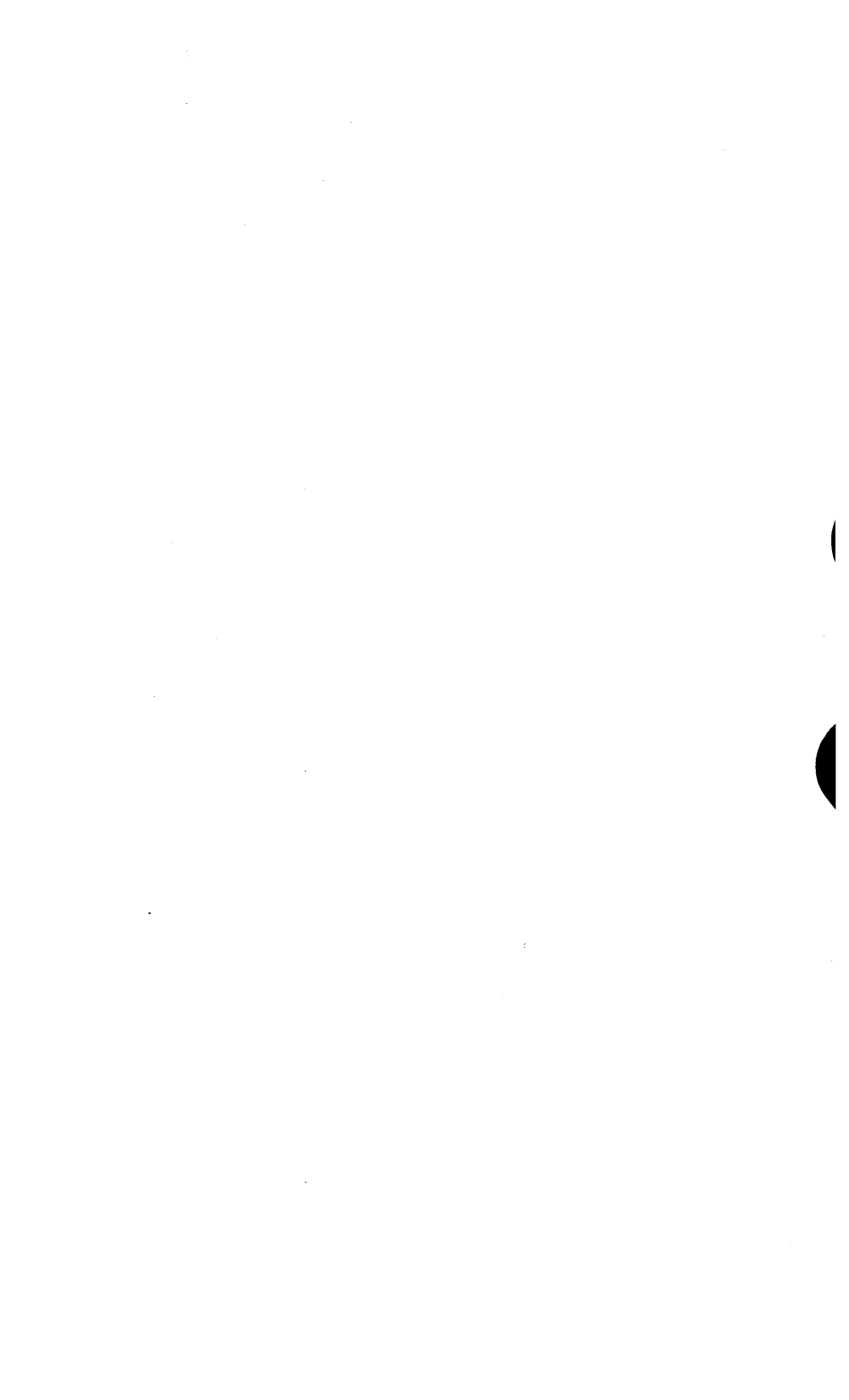
SQUARE-TAILED TROUT.

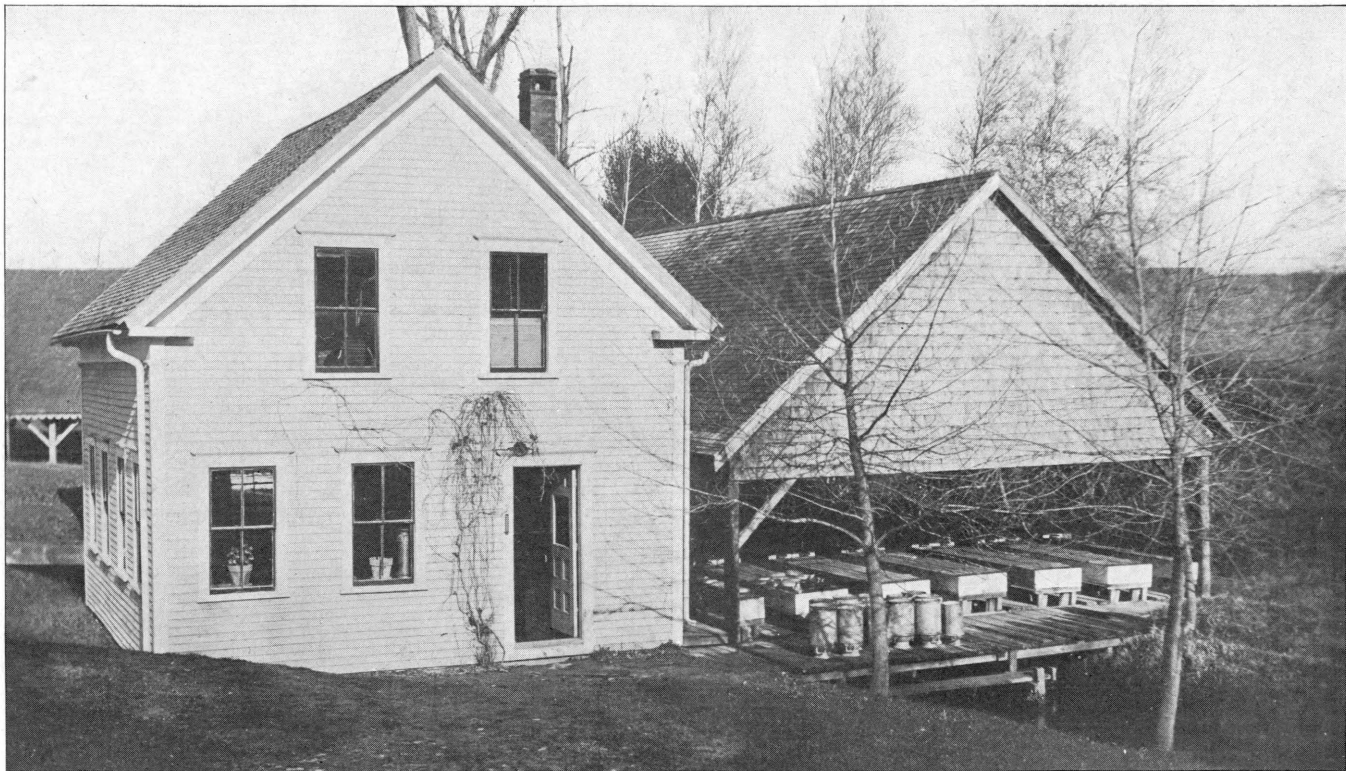
Number of square-tailed trout eggs taken at this hatchery in the fall of 1911	20,000
Received from Spring Brook Hatchery, Augusta, Me., trout eggs that State purchased	100,000
Received from Bayside Trout Farm, East Wareham, Mass., trout eggs that State purchased	200,000
Loss from time of taking to time of hatching	34,579
Loss from time of hatching to time of planting	15,421
Number planted	270,000

These fish were liberated in the following waters:

May 14, Snow Pond, Belgrade	10,000
15, Stream in Newport	5,000
Morrill Pond, Pittsfield	7,500
24, Salmon Lake, Belgrade	40,000
25, Long Pond, Belgrade	25,000
26, McGraw Pond, Belgrade	35,000
East Pond, Smithfield	25,000
North Pond, Smithfield	25,000
27, Little Pond, Belgrade	25,000
28, Great Pond, Belgrade	50,000
Lake Sebasticook, Newport	10,000
Narrows Pond, Winthrop	12,500

25,000 land-locked salmon eggs have been taken at this hatchery this season.





Monmouth Hatchery

REPORT OF MONMOUTH HATCHERY FOR THE
YEAR 1912.

W. A. WHITING, Supt.

LAND-LOCKED SALMON.

Number of land-locked salmon eggs received from Sebago Lake Hatchery	100,000
Loss from time of taking to time of hatching	3,000
Loss from time of hatching to time of planting	2,000
Number planted	95,000

These fish were liberated in the following waters:

Oct.	9, Wassokeag Lake, Dexter	2,500
	28, Varnum Pond, Temple	2,500
	Varnum Pond, Temple	2,500
Nov.	1, Douglass Pond, Bucksport	4,000
	4, Narrows Pond, Winthrop	2,500
	5, Varnum Pond, Temple	2,000
	Varnum Pond, Temple	2,000
	6, Little Tunk Pond, Sullivan	1,500
	Little Tunk Pond, Sullivan	1,500
	8, Crystal Lake, Washington	10,000
	11, Cathance Lake, Pembroke	5,000
	14, Eagle Lake, Bar Harbor	2,000
	Eagle Lake, Bar Harbor	2,000
	Eagle Lake, Bar Harbor	2,000
	16, Embden Lake, N. Anson	5,000
	19, Cochnewagon Lake, Monmouth..	5,000
	20, Cobbosseecontee Lake, Manchester	5,000
	21, Parker Pond, Mt. Vernon	3,000
	27, Annabessacook Lake, Winthrop..	5,000
Dec.	13, Cochnewagon Pond, Monmouth..	7,000
	14, Wilson Pond, Monmouth	8,000
	16, Maranacook Lake, Winthrop	6,000
	17, Cobbosseecontee Stream, Mon- mouth	9,000

SQUARE-TAILED TROUT.

Number of square-tailed trout eggs taken at this hatchery fall of 1911	106,000
Received from American Fish Culture Co., Carolina, R. I., eggs that State purchased	200,000
Loss from time of taking to time of hatching	35,000
Loss from time of hatching to time of planting	29,000
Number planted	242,000
These fish were liberated in the following waters:	
May 15, Streams and Ponds, Litchfield	10,000
22, Cobbosseecontee Lake, Manchester	15,000
24, Narrows Pond, Winthrop	5,000
Berry Pond, Winthrop	5,000
28, Delano Spring, Monmouth	10,000
Annabessacook Lake, Winthrop..	5,000
29, Cobbosseecontee Stream, Monmouth	25,000
June 1, Maranacook Lake, Winthrop....	15,000
Hatchery Brook, Monmouth....	25,000
4, Cochnewagon Pond, Monmouth..	15,000
5, Webber Pond, Vassalboro	10,000
Sept. 30, Cobbosseecontee Lake, Manchester	10,000
Oct 4, Litchfield Ponds, Litchfield	20,000
5, Webber Pond, Vassalboro	5,000
7, Hayden Lake, Skowhegan	7,500
8, Maranacook Lake, Winthrop....	7,500
9, Wassoakeag Lake, Dexter.....	2,500
10, Narrows Pond, Winthrop	2,500
14, Little River, Wells Depot	4,000
15, Pennesseewassee Lake, Norway..	5,000
17, Helen Pond, Pierce Pond T....	1,500
Fish Pond, Black Brook T.....	1,500
Dixon Pond, Pierce Pond T.....	1,500
Lost Pond, Pleasant Ridge	5,000
Oct. 19, Chase Pond, Bingham	1,500
Pleasant Pond, Bingham	5,000
Rowe Pond, Bingham	2,500
Echo Pond, Bingham	1,500

	22, Cathance Lake, Machias	5,000
	25, Youngs Pond, Mariaville	3,000
	29, Dyer's Pond, Jefferson	2,000
Nov.	2, Birch Stream, Milford	3,500
	6, Donnell's Pond, Franklin	1,000
	Donnell's Pond, Franklin	1,000
	12, Keoka Lake, Waterford	2,000
	16, Ellis Pond, Belgrade	500

LAKE TROUT OR TOGUE.

Received from Enfield Hatchery fall of 1911		
	Togue eggs	25,000
Loss from time of taking to time of	hatching	300
Loss from time of hatching to time	of planting	200
Number planted		24,500

These fish were planted in the following waters:

May 18,	Parker Lake, Strong	5,000
	Clearwater Pond, Allen's Mills...	5,000
	North Pond, Wilton	5,000
	Davis Pond, Fayette	5,000
20,	Round Pond, Greenwood	4,500

Number of square-tailed trout wintered at	this hatchery winter of 1911-12	3,000
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These fish were liberated in the following waters:

Dec. 29,	Waters in N. Anson, application	
	of Fred Bunker	1,500
May 24, 1912,	Hatchery Brook	1,500

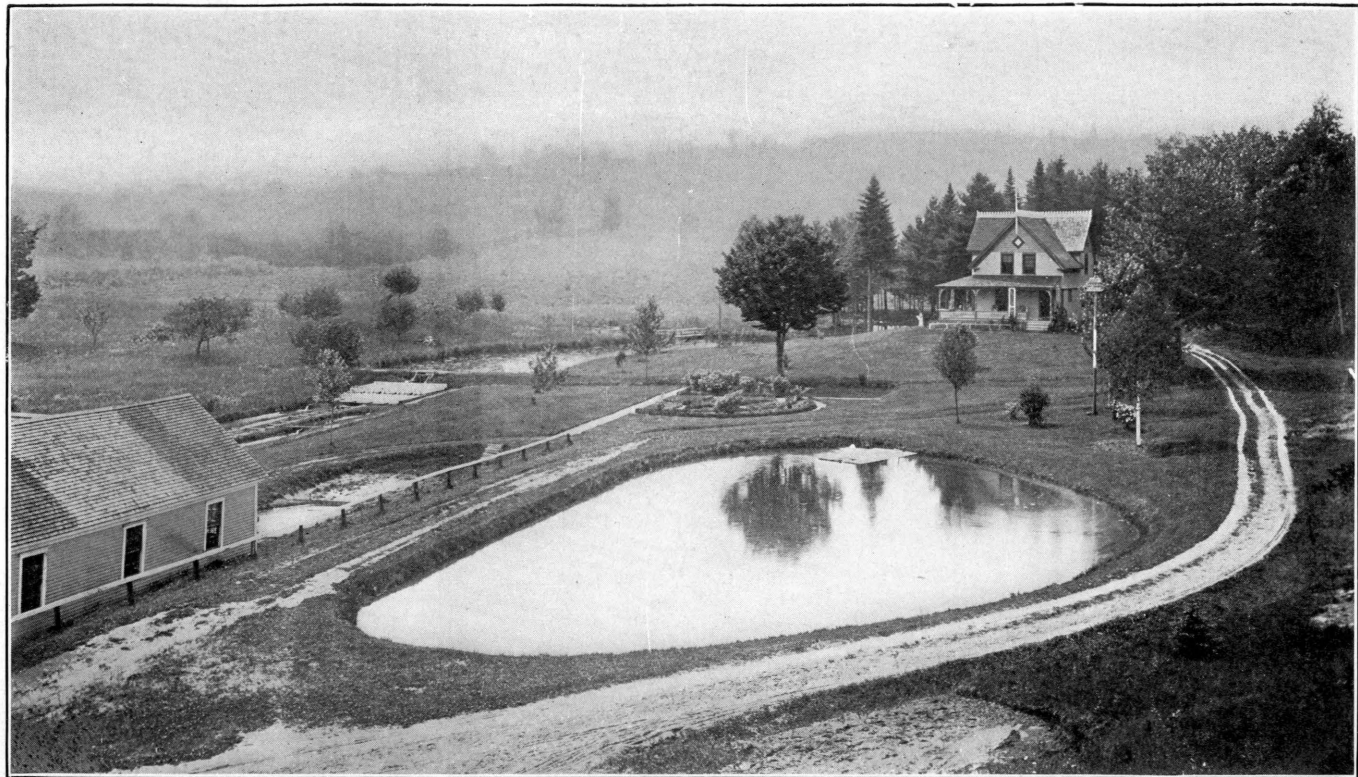
21,000 square-tailed trout eggs have been taken at this hatchery this fall.

REPORT OF THE AUBURN HATCHERY FOR THE
YEAR 1912.

J. F. STANLEY, Supt.

LAND-LOCKED SALMON.

Number of land-locked salmon eggs taken at this hatchery last year	200,000
Received from Caribou Hatchery	40,000
March 19, 1912, shipped to State Hatchery, Laconia, N. H.....	30,000
Loss from time of taking to time of hatching	18,000
Loss from time of hatching to time of planting	13,000
Number planted	170,000
These fish were liberated in the following waters:	
Oct. 1, Long Pond, Livermore	2,500
2, Pennessewassee Lake, Norway ..	5,000
3, Worthley Pond, Peru	3,000
10, Wayne Pond, Leeds Centre	7,500
12, Lower Range Pond, Poland	5,000
16, Thompson Pond, Oxford	5,000
17, Bryants Pond, Woodstock	3,000
18, Songo Pond, Bethel	3,000
26, Shagg Pond, Sumner	4,000
Nov. 3, Taylor Pond, Auburn	10,000
7, Weld Pond, Weld	4,000
10, Little Wilson Pond, Turner	5,000
13, Beals Pond, Turner	4,000
Pennessewassee Lake, Norway..	4,000
18, Thompson Pond, Oxford	5,000
June 28, Staples Pond, Temple	3,000
Nov. 26, Range Pond, Poland	5,000
27, Taylor Pond, Auburn	10,000
29, Pleasant Pond, Turner	5,000
30, Worthley Pond, Peru	5,000
Sept. 29, Lake Auburn	45,000



East Auburn Hatchery



Nov. 17, Lake Auburn	26,000
Number on hand	10,000
SQUARE-TAILED TROUT.	
Number of square-tailed trout eggs taken at this hatchery last year	40,000
Received from the J. F. Hill Hatchery, eggs that State purchased	200,000
Loss from time of taking to time of hatching	120,000
Loss from time of hatching to time of planting	25,000
Number planted	95,000
These fish were liberated in the following waters:	
May 8, Keoka Lake, Waterford	5,000
Bear Pond, So. Waterford	5,000
10, Dead Cambridge Stream, Upton..	10,000
15, Moores Brook, Biddeford	7,000
Milliken Brook, Old Orchard	5,000
16, Sebasco or Wattuh Lake, Sebasco	5,000
20, Worthley Pond, Peru	5,000
22, Baker Brook, Richmond	5,000
24, Branch River, Kennebunk	9,000
Kennebunk Pond, Kennebunk ...	5,000
29, Bridge Stream, Bowdoinham	5,000
Fulton Brook, Bowdoinham	5,000
June 4, Shorey, Knight and Chick Brooks Berwick	15,000
28, Staples Pond, Temple	4,000
Aug. 6, Alder Brook, Bethel	5,000
Number of square-tailed trout wintered at this hatchery winter of 1911-12	3,000
These fish were liberated in the following lake:	
Sept. 28, Lake Auburn	3,000
BROWN TROUT.	
Number of brown trout eggs taken fall of 1911	35,000
Loss from time of taking to time of hatching	1,800

Loss from time of hatching to time
of planting 1,200

Number planted 32,000

These fish were liberated in the following waters:

June 28, Staples Pond, Temple 5,000

Oct. 11, Woods Pond, Bridgton 3,000

21, Crystal Lake, Harrison 4,000

26, Shagg Pond, Sumner 4,000

Nov. 3, Taylor Pond, Auburn 2,000

8, Maranacook Lake, Winthrop.... 4,000

20, Lufkin Pond, Phillips 4,000

21, Loon Lake, Rangeley 6,000

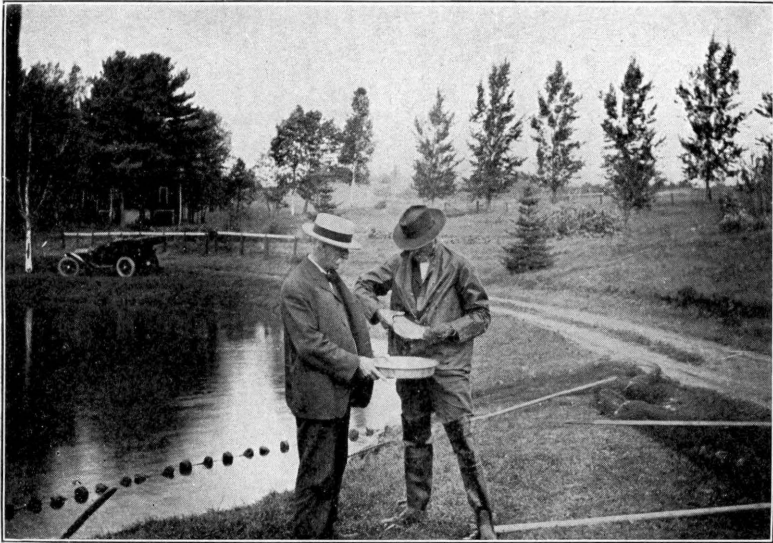
120,000 land-locked salmon eggs have been taken at this hatchery this fall.

42,000 square-tailed trout eggs have been taken at this hatchery this fall.

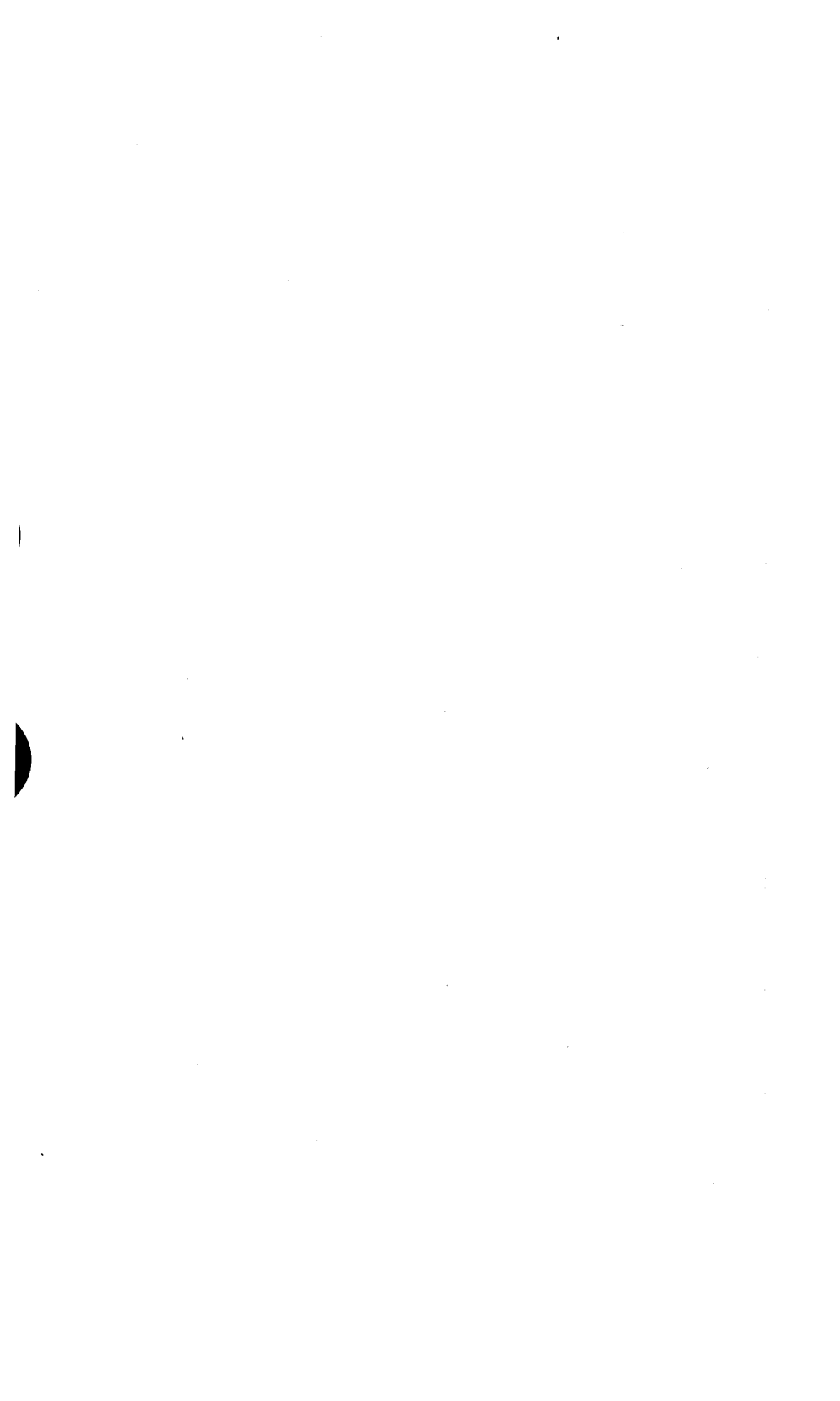
85,000 brown trout eggs have been taken at this hatchery this fall.



Netting Fish for Stripping, at Auburn Hatchery



Stripping, at Auburn Hatchery



REPORT OF THE OQUOSSOC FISH HATCHERY FOR THE YEAR 1912.

HARLAND K. CURTIS, Supt.

LAND-LOCKED SALMON.

250,000 land-locked salmon eggs were taken at this hatchery in 1911.

Shipped to Moosehead Hatchery	190,000
Loss from time of taking to time of hatching	7,000
Loss from time of hatching to time of planting	2,000
Number planted	51,000

These fish were liberated in the following waters:

Oct. 2, Varnum North Pond, Temple ...	7,500
10, Clearwater Pond, Industry	7,500
31, Clearwater Pond, Industry	4,000
Porter Lake, Strong	2,500
Nov. 5, Tee Pond, Eustis	5,000
Loon Lake, Dallas	10,000
8, Abbott Pond, East Sumner	5,000
12, Wildwood Brook, Rangeley	5,000
15, Whetstone Brook, Rangeley	4,500

SQUARE-TAILED TROUT.

560,000 square-tailed trout eggs taken at this hatchery fall of 1911.

Received from Rolfe & Virgin Hatchery, Rumford, eggs that State purchased	240,000
Dec. 25, shipped to the Hill Hatchery, Augusta	25,000
Loss from time of taking to time of hatching	57,000
Loss from time of hatching to time of planting	16,500
Number planted	649,500

These fish were liberated in the following waters:

May 24, Cold Brook, Cupsuptic	20,000
25, Garland Pond, Byron	10,000

	27, Streams in Phillips	7,500
	Day Mt. Pond, Strong	5,000
	Varnum Pond, Temple	7,500
	29, Sweets Pond, Strong	10,000
	No. Branch Dead River, Eustis ..	10,000
	So. Branch Dead River, Stratton	10,000
	Nash Stream, Stratton	10,000
	Mt. Bigelow Pond, Stratton	10,000
June	1, Four Ponds, Houghton	10,000
	2, Big Beaver Pond, Upper Dam ...	10,000
	4, Little Beaver Pond, Upper Dam..	10,000
	7, Mt. View Brook, Oquossoc	20,000
	8, Bemis Stream, Bemis	20,000
	9, South Bog Stream, So. Rangeley	20,000
	10, Wilton Lake, Wilton	20,000
	Little Island Pond, Seven Ponds	
	Township	5,000
	Natanias Pond, Seven Ponds	
	Township	5,000
	Seven Ponds, Seven Ponds Town-	
	ship	5,000
	Chain of Ponds, Chain of Ponds	
	Township	5,000
	Sawyer's Lake, Wilson's Mills ...	15,000
	11, Hatchery Brook, Rangeley	20,000
	Smith Cove Brook, Rangeley....	20,000
	Ellis Brook, Rangeley	20,000
	12, Whetstone brook, tributary to	
	Kennebago Stream	20,000
	Tributaries to Kennebago river ..	10,000
	13, Cold Brook, Cupsuptic	20,000
	Ellis Brook, Bald Mt.	10,000
	14, Brook at Upper Dam	40,000
	Brook at Middle Dam	30,000
	Toothaker Brook, Bemis	10,000
	Megantic Preserve Brooks, Eustis	20,000
	28, Quimby Brook, Rangeley	5,000
	Withee Brook, Rangeley	5,000
	Gull Pond, Rangeley	10,000
	29, Wildwood Brook, Rangeley	20,000



Rangeley Lake Hatchery (Oquossoc)

July	17,	Mt. View Brook, Oquossoc	15,000
Sept.	2,	Saddleback Lake, Dallas	5,000
	5,	Quimby Brook, Rangeley	4,000
		Hatchery Brook, Rangeley	4,000
		Gull Pond, Rangeley	7,000
	21,	Cold Brook, Cupsuptic	10,000
	30,	South Branch Dead River, Strat-	
		ton	5,000
Oct.	3,	No. Branch Dead River, Eustis..	5,000
		Bigelow Pond, Stratton	5,000
	7,	King and Bartlett Lake, T. 4, R. 5	5,000
		Blakesley Lake, T. 5, R. 6	5,000
	8,	Four Ponds, Summit	5,000
	16,	Chain of Ponds, Chain of Ponds	
		Township	5,000
		Ell Pond, Eustis	2,500
	17,	Gull Pond, Rangeley	3,000
		Deer Lake, T. 4, R. 5	5,000
	18,	Loon Lake, Dallas	5,000
	19,	Little Island Pond, Seven Ponds	
		Township	2,500
		Big Island Pond, Seven Ponds	
		Township	5,000
	22,	Jim Pond, Franklin Co.	5,000
		Little Jim Pond, Franklin Co.	2,500
		Lake Everett, Franklin Co.	2,500
	31,	Wilson Lake, Wilton	3,000
		Clearwater Pond, Farmington	3,000
		Porter Lake, Strong	2,500
Nov.	8,	Garland Pond, Byron	4,000
	14,	Potter Pond, Dixfield	3,000
		Howard Lake, Hanover	2,500
	15,	Harvey Pond, Madrid	2,000
		Sandy River, Phillips	2,000
		Day Mt. Pond, Strong	2,500
		Brooks in Wilton	1,000
	20,	West Carry Pond, Dead River ...	5,000
	23,	Brooks in Cumberland Ctr.	1,000

1,000 square-tailed trout wintered at this hatchery winter of 1911-12.

These fish were liberated in waters at Weld, (fed until fall at hatchery at Weld.)

52,000 square-tailed trout on hand to be wintered this winter.

415,000 land-locked salmon eggs have been taken at this hatchery this fall.

585,000 square-tailed trout eggs have been taken at this hatchery this fall.





Raymond Hatchery (Sebago Lake)

REPORT OF THE RAYMOND HATCHERY FOR THE YEAR 1912.

GEORGE A. LIBBY, Supt.

LAND-LOCKED SALMON.

724,000 land-locked salmon eggs were taken at this hatchery in 1911.

Shipped to other hatcheries 250,000 as follows:

Feb. 16, shipped to Camden Hatchery	75,000
21, shipped to Camden Hatchery	75,000
27, shipped to Monmouth Hatchery	100,000

Loss from time of taking to time of hatching

	74,000
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Loss from time of hatching to time of planting

	200,000
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Number planted

	81,000
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These fish were liberated in the following waters:

Oct.	1, Adams Pond, Bridgton	5,000
	3, Peabody Pond, Bridgton and Sebago	5,000
	4, Eagle Pond, Standish and Buxton	3,000
	9, Moose Pond, Denmark	5,000
	10, Kimball's Pond and Brook, Fryeburg	2,500
	14, Moose Pond, Denmark	5,000
	16, Upper Kezar Pond, Lovell	5,000
	21, Square Pond, Acton	7,500
	24, Kennebunk Pond, Lyman	5,000
	28, Kennebunk Pond, Lyman	5,000
	30, Sabbathday Lake, New Gloucester	3,000
Nov.	2, Kettle Cove, Casco	5,000
	26, Sebago Lake, Raymond	25,000

Number left to be wintered..119,000

Number of land-locked salmon wintered at this hatchery winter of

1911-12 199,500

These fish were liberated in the following waters:

YEARLINGS.

July 11, Jordan's River, Raymond 95,000
Loss during season 4,500

TWO-YEAR-OLDS.

June 4, Jordan's River, Raymond 15,000
19, West Shore Sandy Beach, Sebago 20,000
29, West Shore Sandy Beach, Sebago 15,000
July 1, Jordan's River, Raymond 20,000
11, Jordan's River, Raymond 19,000
Number lost during season 1,000
Number on hand to be wintered this winter,
yearlings 10,000

SQUARE-TAILED TROUT.

Jan. 18, received from Wm. H. Rowe, Cumberland Ctr., eggs that State purchased 100,000
Loss from time of taking to time of hatching 500
Loss from time of hatching to time of planting 1,500
Number planted 98,000

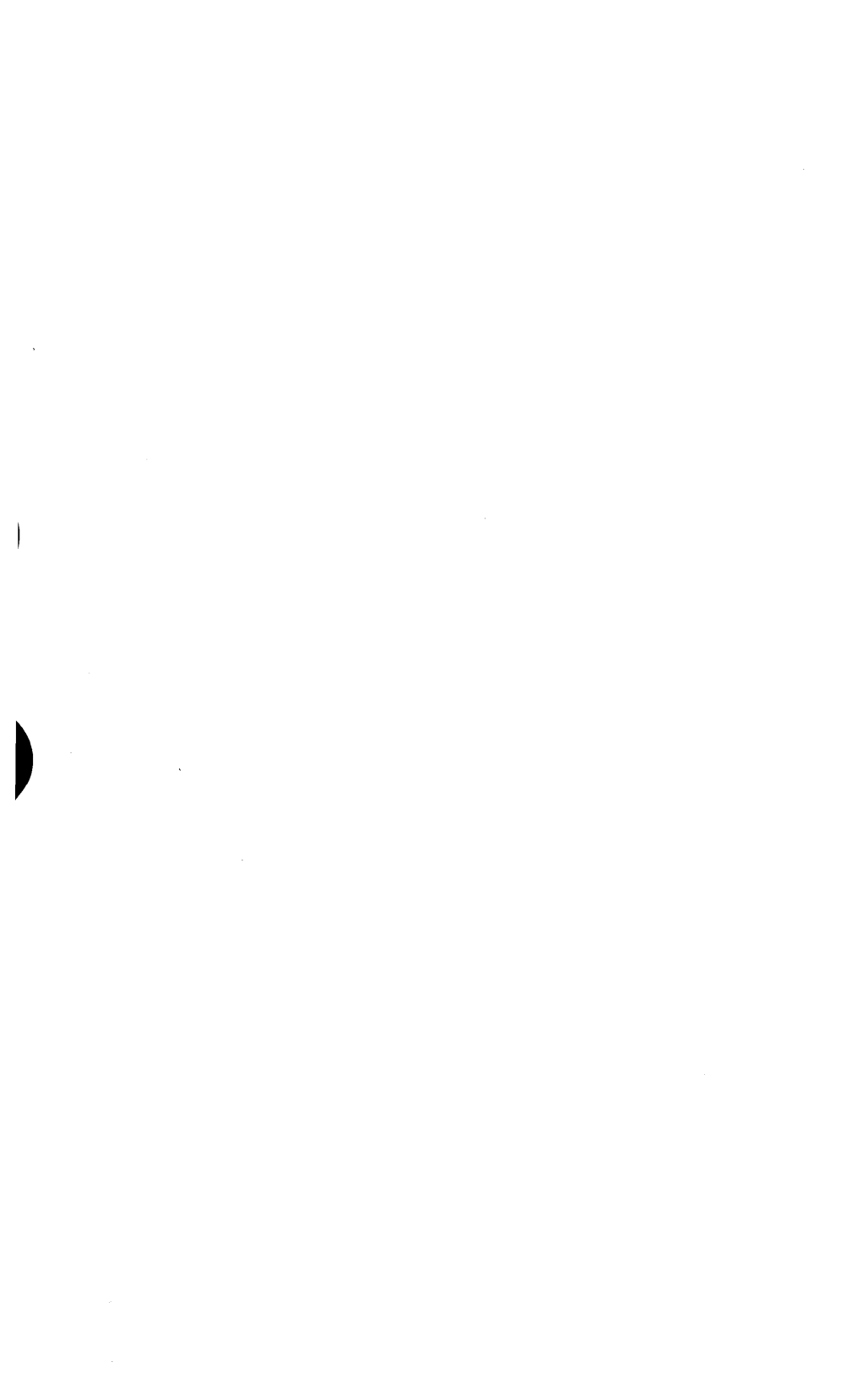
These fish were liberated in the following waters:

ADVANCED FRY.

May 23, Highland Lake, Windham 5,000
28, Sebago Lake, Cumb. Co. 10,000
29, Cold River, Fryeburg 5,000
Elkins Brook, Fryeburg 5,000
Sebago Lake basin, tributary to Sebago Lake, Windham. 10,000
June 1, Colcord Pond, Porter 5,000
Heath's Brook, Cornish 5,000
5, Woods Pond, Cumb. Co. 7,500
7, Highland Lake, Windham 2,500
10, Little Duck Pond, Windham ... 3,000



Land-locked salmon jumping falls at Raymond Hatchery



May 14, Ai Brook, Raymond	10,000
15, Meadow Brook, Raymond	10,000
22, McIntire Stream, York	5,000
24, Thomas Pond, Raymond and Casco	5,000
26, Hayden's Brook, Raymond	10,000

900,000 land-locked salmon eggs have been taken at this hatchery this fall.

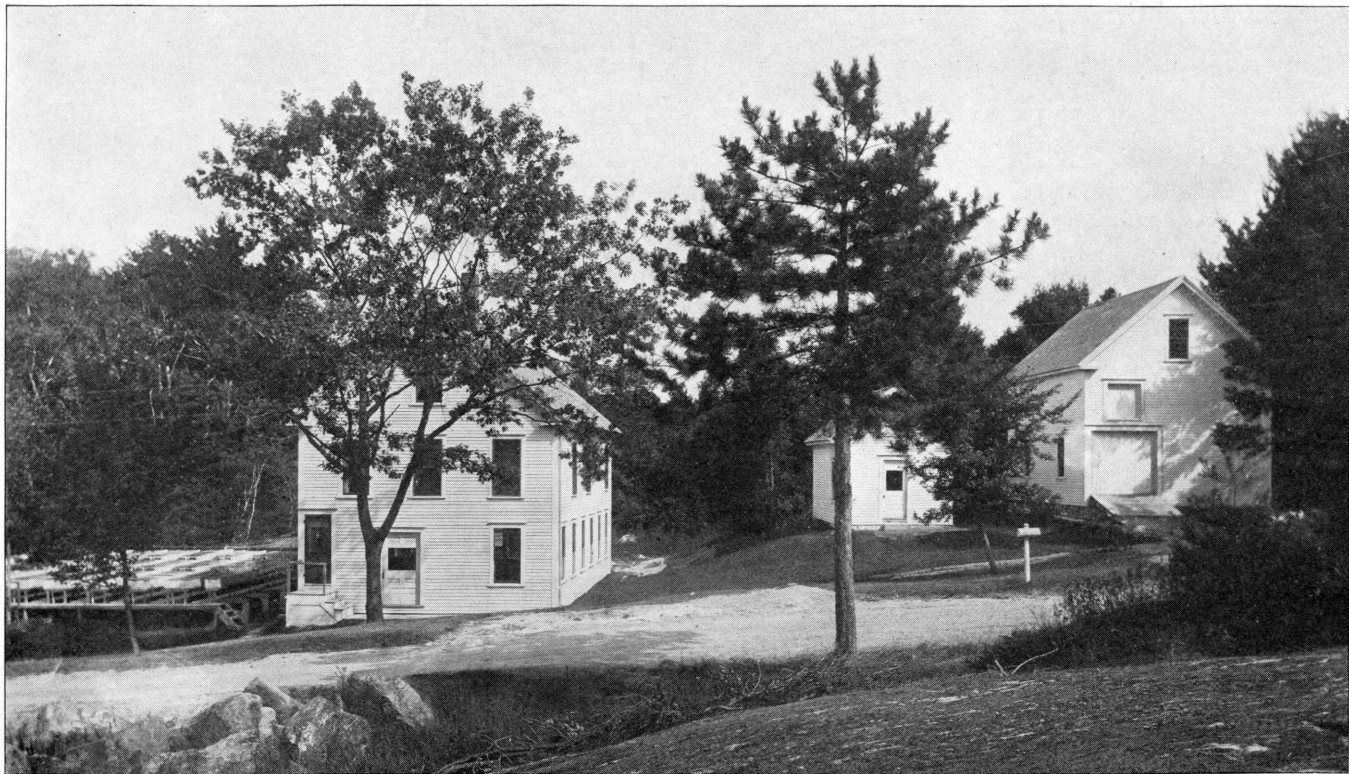
REPORT OF THE CAMDEN FISH HATCHERY FOR THE YEAR 1912.

H. W. LIBBY, Supt.

LAND-LOCKED SALMON.

No land-locked salmon eggs were taken at this hatchery in 1911. All the land-locked salmon raised at this hatchery this year were hatched from eggs shipped to this hatchery from the Raymond Hatchery:

Received on Feb. 16, 1912 ...	75,000
Received on Feb. 21, 1912 ...	75,000
Loss from time these eggs were received at Camden to time of hatching	1,500
Loss from time of hatching to time of planting	6,000
Number planted	142,500
These fish were liberated in the following waters:	
Sept. 21, Megunticook Lake, Camden, Hope and Lincolnville	5,000
Oct. 30, Megunticook Lake, Camden, Hope and Lincolnville	3,500
Nov. 4, Megunticook Lake, Camden, Hope and Lincolnville	4,000
Sept. 21, Megunticook Lake, (or Canaan Lake)	5,000
Sept. 23, Alford Lake, Hope	8,000
Oct. 31, Alford Lake, Hope	3,000
Sept. 23, Knights Pond, Northport	4,500
24, Chickawaukee Lake, Rockland...	5,000
27, Seven Tree Pond, Union	5,000
Round Pond, Union	5,000
Senebec Pond, Union	5,000
30, Crawford Pond, Union	5,000
Oct. 29, Crawford Pond, Union	5,000
Sept. 30, Coleman Pond, Lincolnville	5,000
Pitcher Pond, Lincolnville	5,000
Oct. 2, Peters Pond, Waldoboro	5,000



Camden Hatchery



3,	Damariscotta Lake, Nobleboro and Damariscotta	7,500
22,	Damariscotta Lake, Nobleboro and Damariscotta	3,000
4,	Crystal Lake, Isle au Haut	3,000
8,	Gross Pond, Waldoboro	2,000
	Kaler Pond, Waldoboro and Winslow's Mills	2,000
9,	Swan Lake, Belfast and Swanville	6,000
12,	Swan Lake, Belfast and Swanville	3,000
10,	Pemaquid Lake, Nobleboro.....	3,000
14,	Lily Pond, Hope	1,500
19,	Mirror Lake, Rockport	2,500
21,	Mirror Lake, Rockport	2,500
Nov. 2,	Mirror Lake, Rockport	2,000
Oct. 21,	Rocky Pond, Rockport	2,000
22,	Cook's Pond, Nobleboro	2,000
	Moody Pond, Hope	2,000
23,	South Pond, Warren	2,500
25,	Hosmer Pond, Camden	2,500
	Lily Pond, Rockport	2,500
26,	Medomak Lake, Washington ...	4,000
30,	Norton Pond, Lincolnville	3,000
Nov. 4,	Hobbs Pond, Hope	4,000
9,	Biscay Pond, Damariscotta	2,000

The above fish were all fingerlings; on an average would be classed as No. 5.

SQUARE-TAILED TROUT.

Number of square-tailed trout eggs taken at this hatchery fall of 1911	25,000
Jan. 25, 1912, received from Cumberland Ctr. Trout Farm trout eggs that the State pur- chased	100,000
And on Feb. 2, 1912	125,000
Loss to time of hatching	7,500
Loss from time of hatching to time of planting	5,000
Number planted	237,500

These fish were liberated in the following waters:

May 13, Levenseller Stream, Waldoboro ..	3,000
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	Weaver Brook, Waldoboro	3,000
	Front Brook, Waldoboro	3,000
	Reed Brook, Waldoboro	3,000
	Back Brook, Waldoboro	5,000
18,	Swan Lake, Belfast and Swanville	10,000
	Webster's Stream, Belfast	3,000
8,	Alford Lake, Hope	5,000
18,	Andrews Pond, Lincolnville	3,000
20,	Biscay Pond, Damariscotta	6,000
	Kaler Pond, Waldoboro, Wins-	
	lows Mills	2,500
22,	Seven Tree Pond, Union	5,000
	Round Pond, Union	5,000
	Senebec Pond, Union	5,000
	Crawford Lake, Union	5,000
	Crystal Lake, Washington	7,500
24,	Canaan or Megunticook Lake,	
	Hope, Lincolnville and Camden	30,000
	Canaan or Megunticook Lake,	
	Hope, Lincolnville and Camden	5,000
27,	Reed Brook, Damariscotta	3,000
	Mill Brook, Damariscotta	3,000
	Dodge Brook, Damariscotta	3,000
	Philbrook Brook, Damariscotta...	3,000
	Ward's Brook, Wiscasset	3,000
	Polly Clark Brook, Wiscasset....	3,000
	Montsweag Brook, Wiscasset ...	3,000
	Avery's Brook, Alna	5,000

June	4,	Moody Pond, Hope	5,000
		Cook's Pond, Nobleboro and Wins- low's Mills	5,000
		Damariscotta Lake, Nobleboro and Damariscotta	5,000
		South Pond, Warren	5,000
	5,	Norton Pond, Lincolnville.....	15,000
		Kaler Stream, Belfast	2,500
		Herd Pond, Belfast	3,000
		Wescott Stream, Belfast	4,000
	7,	Chickawauke Lake, Rockland...	20,000
		Hobb's Pond, Hope	15,000
	10,	Levenseller Pond, Lincolnville ...	3,000
		Duck Trap Stream, Lincolnville	5,000
	13,	Hosmer Pond, Camden	5,000
	10,	Mirror Lake, Rockport	5,000
	6,	Lily Pond, Rockport	5,000

The above fish were all fingerlings; on an average would be classed as No. 1.

WORK OF THE U. S. FISH COMMISSION IN THE STATE OF MAINE.

As this Commission annually receives many inquiries regarding the planting of fish in Maine waters by the federal government, it seems desirable, for the information of the public and also as a matter of record, to publish a list of waters stocked by the U. S. Fish Commission during the fiscal year ending June 30, 1912, together with list of plantings from July 1st, 1912, to the time of the filing of this report.

As the following table will show, the federal government has been very liberal to Maine.

FISH PLANTED IN MAINE WATERS BY THE U. S. BUREAU OF FISHERIES DURING FISCAL YEAR ENDING JUNE 30, 1912.

Point of Deposit.	Waters stocked.	Number furnished.
RAINBOW TROUT.		
Bingham	Little Chase Pond	2,000
Scarboro Beach	Massacre Pond	2,000
ATLANTIC SALMON.		
East Orland	Alamoosook Lake	43,583
Staceyville	Penobscot River	1,820,349
LAND-LOCKED SALMON.		
Auburn	Lake Auburn	625
Bingham	Pierce Pond	1,000
Brewer Junction	Brewer Pond	2,000
Cherryfield	Big Tunk Pond	1,000
Dedham	Branch Pond	1,950
	Green Lake	25,000
East Machias	Gardner's Lake	1,000
Ellsworth Falls	Beech Hill Pond	750
	Flood's Pond	625
Ellsworth	Toddy Pond	16,000
Enfield	Cold Stream Lake	625
Farmington	Chain of Ponds	2,000
	Clear Water Lake	1,625
	Natainas Pond	1,000
	Round Pond	1,375
	Tee Pond	750
Foxcroft	Sebec Lake	1,250

Franklin	Donnell's Pond	750
	Fox Pond	12,000
	Molasses Pond	875
Grand Lake Stream	Grand Lake	82,566
	Grand Lake Stream	117,000
Green Lake	Morrison's Pond	10,000
	Patten's Pond	2,000
Greenville	Fogg Pond	10,000
Greenville Jct.	Arnold Pond	1,250
	Crosby Pond	625
	Horseshoe Pond	1,250
	Moosehead Lake	1,500
Ingalls Siding	Cedar Lake	625
Jackman	Attean Lake	8,000
	Crocker Pond	10,500
	Duncan Lake	500
	Lake Wood	8,750
Kennebunk	Kennebunk Pond	100
Kineo	Moosehead Lake	2,500
Lambert Lake	Lambert Lake	625
Mattawamkeag	Mattaseunk Lake	625
Mosquito	Lake Moxie	3,375
Oakland	East Pond	1,500
	State Fish Com. 75,000 eggs—Belgrade Hatchery	
Onawa	Onawa Lake	625
	Rum Pond	375
Oxford	Thompson Lake	1,000
Patten	Davis Pond	375
Readfield	Parker's Pond	625
South Paris	Concord Pond	375
	Shagg Pond	375
Strong	Sweet's Pond	750
Tunk Pond	Tunk Pond	13,000
Walker	Squa-Pan Lake	875
Wilton	Wilson Lake	625

LAKE TROUT.

Farmington	Clearwater Pond	15,000
Locke's Mills	South Pond	10,000
Perry	Boyden's Lake	15,000
Unity	Unity Pond	1,500

BROOK TROUT.

Augusta	Lake Cobbosseecontec	18,000
Bar Harbor	Eagle Lake	15,000
	Harrison's Pond	50

Biddeford	Boiling Spring Brook	2,500
	Dyer Brook	5,000
	Hill Brook	7,500
	Kay Brook	5,000
	Little Milliken Brook	5,000
	Murch Brook	5,000
	Red Water Brook	5,000
	Ricker Brook	5,000
	Running Brook	5,000
	Silley Brook	5,000
	Tapley Brook	5,000
Bigelow	Alder Creek	4,000
	Big Jim Pond	4,000
	Blakeslee Lake	4,000
	Carner Pond	4,000
	Jim Pond	6,000
	Joe Pocum Pond	6,000
	Long Lake	4,000
	Round Mountain Lake	4,000
	Rush Pond	6,000
	Spring Lake	6,000
Bingham	Carry Pond	15,000
	Pleasant Pond	30,000
Bradbury	Locke Brook	5,000
	Red Brook	5,000
	Wales Pond	800
Bridgton	Bickford Brook	5,000
Bridgton Jct.	Crystal Lake	15,000
Bridgton	Shell Pond Brook	5,000
Bryant Pond	Lake Christopher	15,000
Bucksport	Patten's Pond	10,000
Dedham	Branch Pond	50,000
	Mann's Brook	24,000
	Phillips Lake	50,000
East Machias	Rocky Lake	15,000
East Orland	Billings Pond	10,000
	Meadow Brook	5,000
	Wood's Pond	10,000
East Peru	Silver Lake	12,000
Ellsworth	Patten's Pond	60,800
	Toddy Pond	15,000
LAND-LOCKED SALMON.		
Ellsworth	Beech Hill Pond	15,000
	Branch Run	15,000
Farmington	Beaver Pond	10,000
	Chain of Ponds	1,000
	Dead River, N. Br.	7,500
	Indian Creek	7,500

	Long Pond	10,000
	Shallow Pond	7,500
Franklin	Molasses Pond	25,000
Fryeburg	Cold River	10,000
	Hanscom Brook	7,500
	Little Saco Creek	5,000
Grand Lake Stream	Grand Lake Stream	3,438
Greenville	Horseshoe Pond	10,000
	Lower Hathorn Pond	10,000
	Massachusetts Pond	10,000
	Mud Pond,	10,000
	Otter Pond	10,000
	Pleasant River, W. Br.....	12,500
Hartland	Lemon Creek	6,000
Holden	Hopkins Pond	15,000
Holeb	Holeb Lake	8,000
Jackman	Attean Lake	16,000
	Cold Stream Pond	6,000
	Crocker Pond	6,000
	Hatchery Brook	2,000
	Heald Brook	6,000
	Jones Pond	6,000
	Lake Parlin	6,000
	Lake Wood	6,000
	Little Big Wood Pond	6,000
	Rancour Pond	6,000
	Spencer Lake	8,000
	Williams Brook	4,000
Kennebunk	Kennebunk Pond	20,000
	Little River	12,500
	Murphy Brook	5,000
Kineo	Moosehead Lake	20,000
Kingfield	Tufts Pond	6,000
Kingman	Pleasant Lake	20,000
Knox Station	St. George Lake	12,000
Lincoln	Brown Brook	7,500
Mackamp	Moose River	10,000
Mapleton	Squa-Pan Lake	9,000
Marr's Station	Indian Pond	15,000
Monmouth	Buker Lake	14,000
	Jimmy Pond	14,000
Mosquito	State Fish Com. 100,000 eggs—Moxie Hatchery	
Oakland	Massachusetts Lake	15,000
Oldtown	Birch Creek	12,000
Otis	Green Lake	200,000
Patten	Lower Shinn Pond	12,000
	Spring Pond	10,000

Phillips	Carleton Pond	8,000
	Sandy River Pond	8,000
Portland	Ft. McKinley Pond	12,500
Presque Isle	Arnold Brook	3,000
	Echo Lake	7,500
	Presque Isle Creek	7,500
Rockland	Canaan Lake	20,000
Rumford Falls	Howard Lake	30,000
Schoodic	Schoodic Lake	12,000
Searsport	Swan Lake	15,000
	BROOK TROUT.	
Skinner	Bog Brook	4,000
	Deer Pond	6,000
	Lowell Pond	4,000
South Paris	Concord River	10,000
	Twenty Mile River	10,000
	Spear Creek	7,500
	Washburn Pond	10,000
Steep Falls	Horn Pond	12,500
Tunk Pond	Tunk Pond	15,000
Waldoboro	Back Brook	5,000
	Cooney's Brook	6,000
West Bethel	Maine Pond	5,000
Wilton	Webb Pond	32,000
	SCOTCH SEA TROUT.	
East Orland	Craig Pond	3,800
	Heart Pond	6,772
	SMALLMOUTH BLACK BASS.	
Belgrade	Long Lake	2,000
Bridgton	Highland Lake	2,000
Kittery Jct.	Folly Pond	1,500
Waldoboro	Mcdomak River	2,000
	WHITE PERCH.	
North Berwick	Bonneg Beg Lake	1,000,000
Walker	Squa-pa-n Lake	2,500,000
	SMELT.	
Otis	Green Lake	6,575,000

STATEMENT OF FISH PLANTED IN MAINE WATERS SINCE
JUNE 30, 1912.

By the U. S. BUREAU OF FISHERIES.

LAND-LOCKED SALMON.

Point of Deposit.	Waters stocked.	Number furnished.
Bridgton	Highland Lake	1,500
Brooks	Mixer Pond	1,000
Brownfield	Moore Pond	1,500
Deering Junction	Highland Lake	1,500
Farmington	Varnum Pond	1,400
Fryeburg	Lake Kezar	1,500
Grand Lake Stream	Grand Lake	31,496
Hartland	Great Moose Lake	1,500
Kineo	Moosehead Lake	5,000
Kingman	Pleasant Lake	1,800
Newport Junction	Lake Sebasticook	1,500
Norcross	Third Jo Merry Lake	1,500
North Anson	Great Embden Pond	1,000
	Lake Embden	1,500
Oakland	East Pond	1,100
Phillips Lake	Phillips Lake	1,500
Poland Spring Station	Lower Range Lake	1,500
Rand Cove	Schoodic Lake	2,000
Rumford Falls	Howard Lake	1,500
Strong	Sweets Pond	1,200
Tunk Pond Station	Tunk Pond	1,500
Waldoboro	Kaler Pond	2,000
Walker's Siding	Squa-Pan Lake	1,500

ATLANTIC SALMON.

Craig Brook	Alamoosook Lake	5 adults
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BROOK TROUT.

Madison	Hayden Lake	4,800
Monmouth	Purgatory Pond	4,500
	Sand Pond	4,000
Manset	Stanley Pond	2,000
East Orland	Toddy Pond	2,500
	Craig Pond	1,500
	Heart Pond	1,500

FISH AND GAME ASSOCIATIONS.

The several fish and game clubs and associations have rendered inestimable service to the State and assistance to this Commission by way of upholding our inland fish, game and forestry laws, co-operating with this Department in securing needed fish and game legislation, securing funds for screening lakes, and in various other ways.

The benefit of such associations in creating proper public sentiment toward the work of this Department cannot be over-estimated. Much valuable information in regard to violations of the inland fish and game laws has been furnished by these associations to this Commission, particularly in cases where individual citizens did not wish to be known as complainants.

We take this occasion to express our deep appreciation of the material assistance rendered by these organizations.

We have on record the following list of associations at the present time:

- Maine Sportsmen's Fish and Game Association.
- Lake Auburn Fish Assn., Auburn.
- Cumberland County Fish and Game Club, Portland.
- Cumberland County Angling Association Portland.
- Duck Pond Fish and Game Association, Portland.
- Mt. Blue Fish and Game Club, Phillips.
- Frank Stanley Angling Club, Kingfield.
- Tee Pond Fish and Game Association, Eustis.
- Bar Harbor Rod and Gun Club, Bar Harbor.
- Great Pond Fish and Game Association, Belgrade.
- Litchfield Fish and Game Association, Litchfield.
- Southern Kennebec Fish and Game Club, Gardiner.
- Alford's Lake Fish and Game Association, Rockland.
- Megunticook Fish and Game Club, Camden.
- Chickawaukee Fish and Game Association, Union.
- Lincoln County Rod and Gun Club, Damariscotta.
- Whitefield Fish and Game Club, Whitefield.
- Norway Fish and Game Association, Norway.
- Bethel Fish and Game Club, Bethel.
- Canton Fish and Game Association, Canton.

Waterford Fish and Game Association, Waterford.

Central Oxford County Fish and Game Association, West Paris.

Pleasant Pond Protective Association, Bingham.

Waldo Fish and Game Association, Searsport.

Biddeford Fish and Game Club, Biddeford.

Somersworth and Berwick Protective Fish and Game Association, Berwick.

Springvale Fish and Game Association, Springvale.

We have received reports of the work of these clubs as follows:

THE MAINE SPORTSMEN'S FISH AND GAME
ASSOCIATION.

"Chartered by Chap. 532, Private and Special laws of 1893.
Organized April, 1893.

400 members.

Meetings are held annually for the election of officers, in the month of January of each year.

One midsummer meeting and annual outing is held each year. They have usually been at Kineo or Rangeley, the last one having been at Lake Maranacook.

Its object is to encourage and aid officers in the enforcement of game and forestry protective laws, promulgate public sentiment in this direction, and work for amendments to the game laws whenever new conditions demand them.

It has had considerable influence in securing some of the most important enactments of our present code of game laws, such as the licensing of guides, registering non-resident hunters, etc. It is now unitedly interested in a resident hunter's license law by means of which an accurate record of all big game killed may be had; the promotion of the scheme for a national park and forest reservation in the Mt. Katahdin region and the passage by Congress of a Federal law protecting migratory birds.

Officers of Maine Sportsmen's Fish and Game Association:

President, J. PUTNAM STEVENS, Portland.

Vice Presidents, L. T. CARLETON, Winthrop; GEORGE N. GREELEY, Bangor; H. W. RICKER, Poland; C. C. WILSON, Auburn; FRANK A. EMERY, Sanford; M. J. GOOGIN, Lewiston; ROY L. MARSTON, Skowhegan; A. J. STEARNS, Norway; IRA G. HERSEY, Houlton; F. G. KINSMAN, Augusta.

Secretary and Treasurer, F. R. SMITH, Pittsfield.

Consulting Attorneys, WILLIAM H. NEWELL, Lewiston; WILLIS E. PARSONS, Foxcroft; DANIEL W. NASON, Bangor.

Directors, JOHN F. SPRAGUE, Dover; F. R. SMITH, Pittsfield; WESTON LEWIS, Gardiner; C. C. WILSON, Auburn; A. H. SHAW, Bath; R. J. HODGSON, Lewiston; J. HARRIS PIERCE and JAMES J. POOLER, Portland.

Executive Committee, DR. E. H. WHITE, Lewiston; R. J. HODGSON, Lewiston; H. B. ESTES, Auburn; W. M. SHAW, Greenville; D. H. DICKINSON, Rangeley; C. P. GRAY, Fryeburg."

BELGRADE GREAT POND ASSOCIATION.

BELGRADE LAKES, MAINE.

*Officers: President, E. W. TOWLE.**Treasurer, EDWIN A. WHITE.**Secretary, WM. F. GILMAN.*

The average yearly expenditure is \$350, not including expenditures for special work.

Among other work this association has accomplished is the following:

Great Lake has been buoyed at a cost of \$200. The maintenance of same being \$50. yearly.

Some \$225. has been expended in widening channel and removing rocks in outlet stream.

The lighting of the outlet stream has been authorized at an expense of \$150.

The association has assisted in the propagation of fish and the passage of laws regulating the fishing.

At the present time it is the desire of the association to repeal the smelt law and to limit the size of trout that may be taken, viz: not under twelve inches.

A majority of the members are cottage owners.

Date of organization, 1907.

Meetings are held annually in July.

No public meetings are held.

The number of members is 80."

THE LITCHFIELD FISH AND GAME ASSOCIATION.

"In the winter of 1901-2 the advisability of forming a fish and game association in the town of Litchfield for the purpose of stocking and protecting its lakes and streams and promoting a public interest in matters pertaining to its fishing interests was discussed at an informal meeting of a number of citizens, with the result that the Litchfield Fish and Game Association was organized on September 27, 1902, with thirty-four charter members. Since that date regular meetings have been held annually in August and special meetings have been called from time to time.

The first object which it sought to accomplish was the restocking with trout of the chain of lakes known as the Wood-

bury, Sand (or Tacoma), Buker and Jimmy ponds lying wholly within the town of Litchfield.

A special ruling of the Commissioners closing the Jimmy pond and tributaries to all fishing was obtained upon petition of the members of the Association. By special act of the Legislature this restriction was extended to 1912, at the end of which term it was renewed and is in effect at the present time.

In 1904 the outlet of the entire chain of Lakes was screened with a permanent iron screen imbedded in the cement foundations of the dam of the Gardiner Water Power Company. The expense of this work was borne equally by the Department of Inland Fisheries and Game and the Litchfield Fish and Game Association.

Each year since its organization the association has received from the United States Bureau of Fisheries allotments of brook trout aggregating to date 95,000 fry and 11,000 fingerling which have been planted in the above-mentioned lakes and tributaries. At least half as many more trout and salmon fry have been furnished by the State Commission from the Monmouth hatchery, so that the total plantings to date have been over 150,000 trout and about 10,000 salmon.

At this writing the apparent results from these efforts to restock the lakes are not all that could be desired, although a few trout weighing up to four pounds have been caught each year for several years past. The fact that the lakes are inhabited by black bass and pickerel prevents a rapid natural increase from the artificial plantings, while the unprecedented low water during the spawning season for several years past has been an added handicap.

The most evident fact to be drawn from the work of the Association, however, is that the active interest and hearty co-operation of residents through whose lands the waters flow is essential to the success of any effort to stock and protect small streams and ponds. Could this be assured, the problem of warden service would be solved and the restocking of the waters to a point where the work would be self-sustaining would be merely a matter of a few years of regular and systematic planting of brood stock.

It is to be regretted that far-sighted interest and enthusiastic action is not always unanimous when local fish and game interests are under consideration.

The association now numbers seventy-five active members. Its immediate object is to continue the work in hand to improve local fishing conditions by enlisting the coöperation of the State and United States departments of fisheries and by arousing the active interest of both the permanent and the summer residents of the town.

The officers for the ensuing year are:

President, F. N. ADAMS, Litchfield.

Treasurer, O. A. TRUE, Litchfield.

Secretary, MAYNARD MAXIM, Newtonville, Mass."

CAMDEN FISH AND GAME ASSOCIATION.

"The Camden Fish and Game Association was organized Feb. 11, 1896, with 40 members, and at that time F. K. Shaw was elected Secretary and Treasurer, and L. M. Kenniston, President.

Meetings have usually been held annually. Meetings have all been public.

Our aim has been to stock our Lake and other waters in this section with trout and salmon, and to care for them after they have been so stocked, which we have done.

In 1904 we paid \$75 for screening our dam. We also raised money and paid \$25 as reward for conviction of parties fishing the tributaries to Canaan Lake.

The present officers of our association are:

President, J. B. CRANE.

Secretary and Treasurer, C. K. MILLER."

CUMBERLAND COUNTY ANGLING ASSOCIATION.

"Officers:

President, WM. N. TAYLOR, Portland.

Vice Pres., HANIE B. COE, Portland.

Treasurer, FRANK G. LEAVITT, Portland.

Secretary, GEORGE C. ORR, Portland.

Executive Committee, HARRY L. SMITH, JAMES J. POOLER, JOHN B. PORTEOUS, C. H. HOLLAND, W. W. SABIN, GEO. H. H. LAWTON, GEO. E. CUSHMAN, all of Portland.

Legislative Committee, HARRY C. WILBUR, Chairman, CLYDE W. PIERCE, E. E. CLIFFORD, all of Portland."

BIDDEFORD AND SACO FISH AND GAME CLUB.

"Organized May 11, 1910.

Officers:

President, HENRY D. EVANS.

First Vice President, PERCY W. HARPER.

Second Vice President, WILLARD F. MURPHY.

Secretary and Treasurer, CARLETON T. MOORE.

P. O. addresses of all are Biddeford, Me., except P. W. Harper which is Saco, Me.

Public meetings have not been held this year although meetings have been held in the past.

Several streams have been stocked with salmon and trout, but no lakes screened as the only lake in this vicinity (Kennebunk pond) is already screened."

CENTRAL OXFORD FISH AND GAME ASSOCIATION.

"Organized at Bryant's Pond, in 1907.

Officers:

President, W. H. BARKER, West Paris.

Vice President, HARRY H. CROCKETT, Bryant's Pond.

Secretary and Treasurer, HERBERT J. LIBBY, Bryant's Pond.

Number of members, 35.

Meetings held once a year. Occasionally public meetings have been held but not during the past year.

The chief work of this organization has been to assist in stocking the streams and guard against the unlawful destruction of fish and game. This organization has, without question, been a benefit to this section of the State."

THE BETHEL FISH AND GAME PROTECTIVE ASSOCIATION.

"Officers:

President, J. C. BILLINGS.

Secretary, ELMER H. YOUNG.

Number of members, from twenty to twenty-five.

Meetings held annually, and at intervals during the year when necessary.

This association has raised the money and screened the outlet of Songo Pond at an expense of about \$85, also paid expenses of transporting fish to stock the pond.

During the summer a man is employed to keep the screen clear of debris."

MT. BLUE FISH AND GAME CLUB.

"Organized in 1905.

President, HARRY B. AUSTIN, Phillips.

Clerk, HARRY F. BEEDY.

Ten members.

This organization owns a club house on the shore of Mt. Blue Pond, in Avon.

They have assisted in planting many thousand fish in the waters in the vicinity of Phillips and Avon, and have made an organized effort to keep up the supply of game fish in this section of Franklin county."

WHITEFIELD FISH AND GAME CLUB.

"Incorporated January 22, 1900.

159 Members.

The officers are:

President H. M. CROKER.

Vice President, GEORGE E. FOWLS.

Secretary, W. D. PEASLEE.

Treasurer, BERTHA CHANEY.

This is a very active Association; the members taking great interest in the protection of fish and game.

A large hall has been built through the efforts of this club, where the weekly meetings are held."

SPRINGVALE FISH AND GAME CLUB.

"Date of Organization Nov. 1898.

Number of Members, Thirty.

Meetings are held monthly.

Twice each year Ladies' Nights are enjoyed and friends are invited in for a social evening.

Since organization the Club has stocked Mousam Lake, Square Pond, and has done numerous things to better the community in its Fish and Game Laws.

Names of officers:

President, H. L. BURR.

First Vice President, O. W. CHASE.

Second Vice President, C. P. ROWE.

Secretary, L. W. STANLEY.

Treasurer, H. P. WEBBER.

P. O. address of all Springvale, Maine."

PLEASANT POND PROTECTIVE ASSOCIATION.

"Date of organization was August 12, 1911.

The officers are:

President, F. H. COLBY, Bingham, Me.

Secretary, C. W. GROVER, Caratunk, Me.

Treasurer, H. J. CRAIG, Bingham, Me.

The number of members is forty-seven.

An annual meeting is held the third Saturday in August of each year. The main effort of the Association thus far has been toward improving the fishing in Pleasant Pond by stocking. The greater part of the funds of the Association the past year have been expended in hauling stocking fish, donated by the State, and delivered free at Bingham. Stocking fish have to be hauled a distance of twenty miles, from Bingham to Pleasant Pond, costing from six to seven dollars a trip. Also, the Association looks after the upkeep of the screen at the outlet of the Pond."

NORWAY FISH AND GAME ASSOCIATION.

"This Association was organized in 1910 under the name of Norway Fish and Game Association.

The officers are:

President, ALBERT J. STEARNS, Norway, Maine.

Vice President, CLARENCE M. SMITH, Norway.

Secretary and Treasurer, I. WALTER WAITE, Norway.

Executive Committee, WILLIAM L. LIBBY, M. W. SAMPSON,
AND JOHN C. SHEPARD.

This organization is a very successful one and holds meetings annually with such special meetings as from time to time seems to be necessary or useful. We have a very substantial screen at the outlet of Lake Pennesseewassee as the result of the efforts of this Association, paid for by it and through subscriptions obtained under its direction, and a substantial sum in the Treasury. We have stocked Lake Pennesseewassee and kept it well stocked with trout, salmon and white perch, and have also interested ourselves to quite an extent to see that the Fish and Game Laws have been properly enforced throughout this territory.

The Association has been successful from the start and has a membership of about 75 members."

LINCOLN COUNTY FISH AND GAME CLUB.

"Date of organization, May 16, 1911.

Officers:

President, R. K. TUKEY.

Vice President, J. M. GLIDDEN.

Secretary, HARVEY E. WINSLOW.

Treasurer, M. M. SMITH.

Governing Committee, C. E. SHERMAN, C. W. CROOKER and W. J. KNOWLTON and the officers above named."

ALFORD LAKE FISH AND GAME ASSOCIATION.

"Date of organization 1907.

Present officers:

President, E. C. DAVIS, Rockland, Maine.

Secretary and Treasurer, E. B. HASTINGS, Rockland, Maine.

The number of members at present is about 100. Meetings are held two or three times a year.

This Association since its organization has raised \$75 for screens, and about the same amount for transporting fish to the lake. Have assisted in planting from 15,000 to 20,000 yearly for the past five years."

THE WATERFORD GAME AND FISH ASSOCIATION.

"The Waterford Game and Fish Association was formed in 1904 for the purpose of providing good fishing in Keoka lake. The idea originated several years previously and was agitated by Mr. Liflet Porter, but it was not until after his death that the Association was formed.

The officers are as follows:

President, A. G. MORSE.

Secretary and Treasurer, A. J. STIMSON.

There are more than thirty members in good standing. Meetings are held annually or called by order of the officers.

The object of the Association is to protect the fish, game and the song birds, and to see that the game laws are observed and obeyed; screen the lakes and stock the same as well as the brooks that feed them.

By mutual agreement no bass of less than twelve inches in length is kept, but this is no hardship, for several fishermen have caught the 'limited number' in one forenoon during the present summer."

The Secretary adds to the above report:

"It is to the executive ability of Mr. J. H. Brewer of Brooklyn, who was our first President, that this Association owes much of its social and financial success."

THE FRANK STANLY ANGLING CLUB, OF KINGFIELD.

"Organized some 15 years ago.

President, FRANK STANLY, Kingfield.

Vice Presidents, JOHN A. HARLOW, Dixfield.

R. L. WELCH, Rumford.

E. L. LOVEJOY, Rumford.

Treasurer, L. L. MITCHELL, Kingfield.

Secretary, A. C. WOODWARD, Kingfield.

18 members in all. Meet once each year on fishing trip."

It is apparent, from the frequent requests received at this office for suggestions as to the organization of such associations, copies of by-laws, &c., that the people of the State are taking increased interest in the protection of our fish and game.

In response to numerous requests we give below several forms of by-laws, &c., &c.:

SUGGESTIONS FOR ORGANIZATION OF GAME, FISH, AND FORESTRY ASSOCIATIONS.

Constitution.

ARTICLE I.

The name of this association shall be

ARTICLE II.

Any reputable, law abiding person shall be eligible to membership herein who shall be, etc.

ARTICLE III.

The officers of this association shall consist of a President, a Vice President, a Secretary, and a Treasurer who together with five other members of this association, to be elected by the association, shall compose the Executive Committee during the year of their election.

ARTICLE IV.

The Executive Committee shall have full charge of the business of this association, shall receive and investigate all complaints coming to them of violations of the forestry, the game, or the fish laws, and at once prosecute, or, through the Secretary, notify the Forest Commissioner, or the Commissioners of Inland Fisheries and Game at Augusta, as the case may be.

ARTICLE V.

Five of this committee shall constitute a quorum for the transaction of business and shall meet at least once a month.

ARTICLE VI.

This association shall hold two regular meetings, to be held on the
 day of _____ and the
 day of _____ and such other special meetings as may be
 called by the President or a majority of the Executive Committee.

ARTICLE VII.

This organization is, formed for the protection and preservation of our forests, the protection of game, of song and insectivorous birds,

and of fish; for aiding the enforcement of the laws of this State governing the same, and to unite the efforts and influence of all law abiding citizens within the State; and in securing such future legislation upon these subjects as may be considered best suited to advance the interests of the people of the State at large.

With this object in view we hereby pledge ourselves not only to obey the laws of the State pertaining to these subjects, but to use our influence to have others obey them. We agree to report to the Secretary of this organization the name of any individual who may to our knowledge violate these laws, or any of them, and if need be to testify against such person to secure his conviction.

BY-LAWS OF THE LITCHFIELD FISH AND GAME ASSOCIATION.

ARTICLE I.

This organization shall be known as the Litchfield Fish and Game Association.

ARTICLE II.

The object of this Association shall be to promote our fish and game interests, to diffuse knowledge of all matters pertaining to the same, to maintain as far as possible a strict observance of the fish and game laws of the state, including the law pertaining to our song and insect-eating birds.

ARTICLE III.

The officers shall consist of a President, Vice President, Secretary, Treasurer, and an Executive Committee, consisting of the officers named above and five other members. Six members shall constitute a quorum.

ARTICLE IV.

The Executive Committee shall have the general care and oversight of the affairs and business of the Association, with power to make contracts, to engage agents and employees, to fix and determine the duties and compensation of the same; provided that all contracts and agreements receive the approval of a majority of the Executive Committee present, and all contracts be within the limits of available funds.

Whenever any vacancy shall occur in any office, the Executive Committee shall have power to fill the same.

The Executive Committee shall choose from their number a Chairman and a Vice Chairman, but the Secretary and Treasurer shall be the same as in the general organization. The Executive Committee shall, by a two-thirds vote, make rules and regulations which they shall from time to time deem necessary, and which may be approved at a regular meeting of the Association.

ARTICLE V.

The President shall preside at all meetings of the Association.

ARTICLE VI.

The Vice President shall perform the duties of President during his absence or at his request.

ARTICLE VII.

The Secretary shall keep all records, attend to all correspondence, record the proceedings of all meetings, and be prepared to report the same at any time they may be called for by the Association.

ARTICLE VIII.

The Treasurer shall receive all money, and shall pay out said money only by an order signed by the President and Secretary.

ARTICLE IX.

Any person over eighteen years of age, who is interested in the propagation and protection of fish and game, and who shall agree to respect and obey the fish and game laws of the state of Maine, shall be eligible to membership.

ARTICLE X.

The initiation fee shall be one dollar, and the annual dues shall not exceed one dollar. The dues may be regulated at any annual meeting, and shall be payable in advance on the last Saturday in September of each year. Any member who fails to pay his dues within thirty days thereafter shall be dropped from the roll of membership, but he may be reinstated upon the payment of all arrearages.

The annual meeting of the Association shall be held on the last Saturday in September of each year. Members will receive notice of the place of meeting. Special meetings may be called by the Executive Committee or upon the petition of seven members.

ARTICLE XI.

Any person, upon the payment of ten dollars, may become a life member and will not be subject to dues after the date of payment.

ARTICLE XII.

The officers of the Association shall be elected by ballot and shall hold office for one year or until their successors are chosen.

ARTICLE XIII.

There shall be chosen annually a committee of five, whose duty shall be to look after poachers and to report all cases of violation of the fish and game laws to the proper officers. It shall be the duty of all members to report to said Committee any violation of said laws that may come under their observation.

ARTICLE XIV.

Any member who shall violate any of the by-laws or regulations of the Association may be expelled from the Association by a majority vote of the total membership.

ARTICLE XV.

These by-laws may be amended at any regular meeting of the Association by a two-thirds vote of the members present.

BY-LAWS OF THE PLEASANT POND PROTECTIVE ASSOCIATION.

NAME.

Article 1.—This organization shall be known as the Pleasant Pond Protective Association.

OBJECT.

Article 2.—The object of this association shall be to protect and assist in the maintenance of the scenic beauty of Pleasant Pond and vicinity; to direct its efforts to the furtherance of improved conditions in regard to hunting and fishing; to prevent the pollution of the waters of Pleasant Pond; and anything further that may be accomplished for the good of said Pleasant Pond, the cottagers and inhabitants in the vicinity thereof.

MEMBERSHIP.

Article 3.—Any person of fifteen years of age, or over, interested in the above objects, may become a member of this association upon payment of the annual assessment and signing the by-laws.

OFFICERS.

Article 4.—The officers of this association shall be a President, Secretary, Treasurer, and a board of five directors, three of whom shall be the President, Secretary and Treasurer. All officers shall be elected by a majority vote of the members present and voting.

DUTIES OF OFFICERS.

Article 5. The president shall preside at all meetings of the association. He may call special meetings at any time when he deems it expedient, and he shall call a special meeting when requested to do so by petition of any five members of the association.

The Secretary shall keep a true record of the proceedings of all regular and special meetings of the association, and of all meetings of the Board of Directors; collect all dues and assessments and pay them over to the Treasurer, taking his receipt for the same; receive all bills against the association, and upon approval of the President, shall issue orders on the Treasurer for the payment of bills against the association, and perform all other duties necessarily incident to those above set forth.

The treasurer shall receive, and keep a record of all cash received from the secretary for dues and assessments, and other money received from any and all other sources; and shall pay all orders drawn upon him by the secretary, keeping a true record of the same. He shall make a full and complete report to the association annually.

The Board of Directors shall have charge of any and all property of the association, and shall have general supervision of any and all of the doings of the association which have been duly authorized by vote of its members. They shall also have power to appoint sub-committees for any purpose authorized by the association, when the same have not been provided for by vote of the association.

MEETINGS.

Article 6.—The annual meeting of the association shall be held on the Third Saturday in August of each year.

Special meetings may be called by the President at any time when he deems it expedient; and upon petition to the President by any five members, he shall call a special meeting. The petition shall set forth distinctly the matter or matters to be acted upon at said meeting, and upon receiving the same, the President and Secretary shall forthwith issue a call for such special meeting.

Seven members shall constitute a quorum for the transaction of business at any meeting of this association.

DUES AND ASSESSMENTS.

Article 7.—The annual dues of this association shall be One Dollar, payable in advance at the annual meeting, but the Board of Directors shall have power to make an additional assessment of One Dollar per year, for each member, whenever they deem it necessary for the carrying out of the purposes of this association. Any member whose dues or assessments are one year in arrears shall be dropped from membership. Any member who has been suspended for non-payment of dues may be reinstated at any time by paying to the Secretary the full amount of his arrears.

Article 8.—No member of this association shall dump, throw, or pile any rubbish in the waters or on the shores of said Pleasant Pond; or construct any sewer or sewers emptying into said waters; or be guilty of contributing, in any way, to the pollution of the waters of Pleasant Pond.

Any violation of this section shall be brought to the attention of the members of the association, in convention assembled, and there dealt with in a manner which, to the minds of such members, seems just and adequate.

Article 9.—These by-laws may be amended at any regular or special meeting of the association, by a vote of two-thirds of the members present and voting, after notice of such contemplated change has been given to each member at least two weeks in advance.

STATE MUSEUM.

The entire first floor of the new south wing of the State House is occupied by the museum. These enlarged quarters give the long-needed space for displaying the valuable collection the museum now contains. This collection consists of more than four hundred mounted specimens of fish, birds and animals, together with a large number of geological specimens and many miscellaneous articles—such as samples of beaver cuttings, illegal devices used in fishing and hunting which have been seized by our wardens, etc., etc.

The idea of establishing such a museum originated with former Chairman Leroy T. Carleton of this Commission, in 1897, he starting the collection with an albino deer skin and a mounted moose head; each year thereafter during his term of office many new specimens were secured—many being donated and some being purchased. The collection soon outgrew the small room it first occupied in a corner of the basement of the old State House, and after two years additional room was provided. These enlarged quarters were occupied until the State House was remodeled in 1909-10. Additional specimens were placed in the museum during the brief term of office of the late Chairman James W. Brackett, in 1910-11.

Since the museum has occupied its present quarters, many mounted specimens have been added,—the following having been placed therein since July, 1911. In addition to the specimens enumerated below, quite a number of specimens are now in process of mounting—soon to be placed in the museum:

SPECIMENS ADDED TO STATE MUSEUM SINCE JULY, 1911.

Wilson Tern,	Maryland Yellow-throated Warbler,
2 Pileated Wood Peckers,	Black-throated Green Warbler,
1 King Eider,	Male and Female,
2 Herring Gulls,	Baltimore Oriole, adult (male) and
1 Razor-billed Auk and 1 young,	young male,
1 Puffin,	Cedar Waxwing,
1 Willet,	Western Yellow-throated Warbler,
1 Hudsonian Curlew,	Western Bluebird,
1 Hudsonian Godwit,	Blue Jay,
2 Beetle-head Plover,	Chimney Swift, Male and Female,
1 Least Sandpiper,	Wood Pewee,



Moose Group in State Museum

1 Yellow leg Plover,	Red-tailed Hawk,
2 Purple Sandpipers,	1 Mourning Warbler,
1 Northern Shrike,	1 Mourning Dove,
1 Barred Owl,	1 Three-toed Woodpecker,
1 Richardson's Owl,	Doe Deer,
1 Hawk Owl,	Group Moose, Bull, Cow and Calf,
1 Great Gray Owl,	1 Square-tailed Trout,
1 Rough-legged Hawk,	Long-tailed Shrew,
1 Loon,	Red-shouldered Hawk,
1 Red-throated Loon,	Wilson Thrush,
Black Duck,	Green Jay,
2 Wood Duck,	Rose-breasted Grosbeak,
1 Bald Eagle,	Fox Sparrow,
2 Prairie Chickens,	Scaled Quail,
1 Hawk Owl,	Cooper Hawk,
1 Gray Squirrel,	Pied-billed Grebe,
1 Northern Hare (Melinistic Phase),	Flicker,
Mallard,	Bluebird,
Scaup,	Buffle Head,
Widgeon,	Virginia Rail, (male),
Ring-necked Scaup,	Northern Phalarope (male and female),
Black Duck,	Least Flycatcher, female,
Red-eyed Vireo and nest,	White-throated Sparrow.
Yellow Warbler,	

Within a few months many valuable geological specimens have been added to the museum, the largest collection being a portion of the famous Maine collection secured in 1836 and 1861 by Legislative authority, consisting of about 600 specimens.

These specimens were placed in the possession and under the care of Colby College in 1899, where they remained until October of this year—long ago forgotten by the public generally—when, through the efforts of the present Chairman of this Commission, the necessary Council order was passed authorizing their removal to the new State Museum where they could be properly displayed, and the transfer was immediately made.

We take this occasion to express our deep appreciation of the assistance rendered by the staff at Colby College to the curator of our museum while moving this collection to the State House.

A large case has been made for these specimens, from the black walnut cases which formerly held the old battle flags in

the rotunda; the material, aside from its historical associations, is very valuable.

As we have received many inquiries regarding the history of this collection since it has been displayed in the new museum, for the information of the people of our State, and as a matter of record in this Department, we give the following outline history of the collection of these specimens which was prepared in 1890 by W. S. Bayley, Ph. D., Professor of Geology at Colby College, who had charge of the identification and labeling of the specimens after they were sent to Colby College:

OUTLINE HISTORY OF THE TWO GEOLOGICAL SURVEYS OF MAINE.

The first public survey of Maine was instituted by an act of the legislature, passed on the 21st of March, 1836, by which it was

Resolved, That the Governor with the advice of the Council, is hereby authorized to employ some suitable person or persons to make a Geological Survey of any lands in Maine, where such Survey, together with the various observations which the surveyors will have opportunity to make, will probably lead to a more accurate knowledge of the worth of the public domain.

On the 28th day of the same month it was further

Resolved, That (in the language of our chief magistrate) a Geological Survey of this State, upon a basis commensurate with the magnitude and variety of its territory, is an enterprise that may rightfully claim the encouragement of every class of industry, as involving more or less of probable utility to each and is intimately connected with the advancement of the arts and sciences, of agriculture, manufactures and commerce.

Resolved, That the Board of Internal Improvements cause a Geological Survey of this State to be made as soon as circumstances will admit, commencing in the early part of the next summer, and they are hereby empowered to appoint and contract with some suitable person or persons to perform the same.

Resolved, That it is with pleasure we learn the intention of Massachusetts to join us in prosecuting so much of said Survey as shall pertain to the Public Lands—that we cordially embrace the opportunity of co-operating with her in this design; and that the Board of Internal Improvements are hereby directed to take such measures as may be necessary to effect this portion of the contemplated Survey.

Resolved, That it shall be the duty of the Board of Internal Improvements to lay before the Legislature, at its annual sessions, a detailed

account of the progress of the Survey, together with the expenditures in prosecuting the same.

Resolved, That the person who shall be employed to make the Geological Survey, shall be required to select three complete suits of specimens of all the rocks and minerals of Maine and deposit one of them in the Public Buildings as the property of the State and also one in each College in the State.

Resolved, That the sum of Five Thousand Dollars be appropriated from the Treasury, subject to the discretion of the Board of Internal Improvements, and to be expended by them in carrying on said Geological Survey.

In compliance with these resolutions, Dr. Chas. T. Jackson of Boston was authorized by the Board of Internal Improvements to begin a survey of the State, subject to the instructions of the President of the Board. This survey was to embrace the public lands belonging jointly to the States of Massachusetts and Maine, and was finally to include the entire area of the latter State. Associated with Dr. Jackson in his first year's work were Dr. T. Purrington of Brunswick and Mr. Jas. T. Hodge of Massachusetts, as agents of the two States interested in the ownership of the public lands.

The first report of these gentlemen was dated December 1st, 1836. It treated of the topography of the State and in a general way of its economic resources. Although but fragmentary in its character the work done must be ranked as of a high order, when it is remembered that it was undertaken without the aid of accurate maps upon which to locate the observations, and without the facilities for travel which now abound in the greater portion of the region examined.

Since it was found impossible within the space of a year to do more than make a beginning in the study of the distribution of the rocks within the State, the legislature of the following year authorized a continuance of the survey and appropriated three thousand dollars for the attending expenses.

It was besides,

Resolved, That in addition to the suits of specimens ordered by a former Resolve, suits shall be collected for the following institutions, viz: one suit for the Maine Institute of Natural Sciences, one suit for the Maine Wesleyan Seminary, one suit for the Westbrook Seminary, one suit for the Parsonsfield Seminary, one suit for the Eastport Athenaeum, one suit for the Bangor Mechanics' Association, one suit to the Teachers' Seminary at Gorham, and one suit for the Maine Charitable Mechanic Association.

Dr. Jackson was again called to assume the direction of the work, and did so on a commission dated March 30, 1837. Mr. Hodge continued to act as the representative of Massachusetts in the matter of the survey of the public lands, while Mr. W. C. Larrabee replaced Dr. Purrington as the representative on the part of Maine.

The results of the second year's work were published in several parts. The first by Dr. Jackson includes a continuation of the description of the topography and the resources of the State. The second part by Mr. Hodge contains a description of the geology of the public lands in the vicinity of Mt. Katahdin and in the region of the Aroostook, the Penobscot, the Allagash, the St. John and the St. Francis rivers. Appended to these two reports is a chapter on agricultural geology and the agricultural resources of Maine, and a table of barometric and thermometric observations made between June 14th and November 30th of the year 1837.

The continuation of the survey for another year was authorized by the legislature and an appropriation of fifteen hundred dollars was made. Dr. Jackson was again placed in charge of the work, together with Mr. S. L. Stephenson of Portland and Mr. A. Wall of Hallowell.

The third and final report of the series was transmitted by the Governor to the legislature on February 13th, 1839. It contains a brief history of the survey during the three years of its existence, and in a few words sums up the results established by it. As a principal result of his operations Dr. Jackson states that the Public Lands have been augmented in value, by spreading information abroad respecting their nature and capability of cultivation. The value of individual property, the aggregate of which forms the sum of the State wealth, has been greatly increased; new resources have been discovered, and the extent and value of those but little known, have been ascertained and reported. Mines and minerals which, when wrought, will bring a large capital into the State, will serve to relieve the community generally, by creating more taxable property, and thus removing a share of the public burden from the shoulders of every individual. Materials now imported at a high cost, will be produced at a cheaper rate within the limits of the State, and domestic industry, skill and capital, will be

brought forward. Iron and glass may be manufactured advantageously in Maine, and these two articles are of more general use, and require more expenditure, than any others imported into the State. It will be hereafter a matter of astonishment that Maine ever had to import her iron and glass, as much so as that she formerly did not supply her citizens with bread. Slate quarries, equal if not superior to those of Wales, have lain neglected in Maine for ages, while the houses of Portland, Bangor, and even the State House itself, are covered with foreign slate.

"Since a new demand for lime has been created for agricultural use, it became very important to know whether the interior of the State possessed valuable beds of limestone, for it is evident that the farmers could not use lime extensively on their soil unless it could be obtained at a low price. We are enabled to point out immense and inexhaustible supplies of this useful substance, in the very regions where it is most required, and to demonstrate its capability of answering for every ordinary use."

In concluding he adds that "Maine has already gained great credit for her liberal views in undertaking a Geological Survey of the State, and so important has the work proved to the community generally, that it is to be hoped that she will carry it forward to its full completion."

As a final appendix to this report is a catalogue of 1566 specimens, that had been collected by the members of the survey and deposited in the State House for exhibition. Smaller collections had been presented to Bowdoin and Waterville Colleges and to the other educational institutions mentioned in the resolution of 1837.

Although Dr. Jackson had called attention to the fact that he had been able to do no more than make a very superficial examination of the geology of the State, and to lay a foundation upon which more exact knowledge might be erected, the legislature, nevertheless, decided to let the matter rest, so that nothing more was done in the interest of the subject for the next twenty-three years. In the meanwhile the collections which had been made with so much trouble and care were neglected. There was no one to see to their preservation, and no one capable or interested enough to give them study. As a consequence they all went to ruin with the exception of the

set presented to Bowdoin College, a large portion of which still remains in comparatively good order. Even the suite deposited in the State House disappeared, so that there was little of material value left for reference at the time that the second survey was instituted.

The second survey was established by an act approved March 16th, 1861. It was

Resolved, That the Governor with the secretary of the Board of Agriculture is hereby authorized to contract with some suitable person or persons to conduct a scientific survey of the state; said survey to embrace its geology, agriculture, natural history and physical geography.

Resolved, That the person or persons who shall conduct this survey shall analyze soils, minerals or other deposits whenever such may be found of a character demanding minute and careful investigation into their characteristics and economical value.

Resolved, That the person or persons so employed by the State shall collect and prepare for deposit in the public buildings, specimens illustrative of the geology, agriculture and natural history of the State.

Resolved, That the person or persons so employed in prosecuting this survey shall be required to present to the legislature on or before the third Wednesday of January in each year, a report of his or their proceedings and progress, together with such suggestions as may be deemed useful, which report shall be published in connection with and incorporated in the annual report of the secretary of the Board of Agriculture.

Resolved, That the sum of three thousand dollars be appropriated from the treasury, to be expended under the direction of the Governor and secretary of the Board of Agriculture in prosecuting said scientific survey.

On the 23d of May, following the approval of these resolutions Messrs. E. Holmes of Winthrop, naturalist, and C. H. Hitchcock of Amherst, Mass., geologist, were appointed to undertake a complete Geological and Natural History Survey of the State.

During the year 1861 these scientists, with their assistants, G. L. Goodale of Saco, A. S. Packard, Jr., of Brunswick, C. B. Fuller of Portland, and J. C. Houghton of Still River, Mass., examined in some detail the coast line of the State, the eastern portion of Aroostook and much of Piscataquis counties.

The report submitted to the Governor and published in the report of the Secretary of the Board of Agriculture, embraced a general report on the Natural History, Agriculture and Geology of the State, and a special report upon the Physical Geography, Agricultural capabilities, Geology, Botany and Zoölogy of the wild lands. The results of this first year's work, to-

gether with those of Jackson's survey, were sufficiently numerous to enable geologists to "form a tolerably correct general idea of the geological structure of the State, adequate both for a basis on which to delineate a General Geological Map, and to serve as a guide to future systematic and thorough explorations."

The legislature of the following year appropriated another three thousand dollars to be expended in prosecuting the work begun in the preceding year, but this sum was so inadequate to the purpose, that Messrs. Houghton and Packard were not able to continue their connection with the survey. The remaining members of the survey studied the region in the vicinity of the West Branch of the Penobscot and the upper portion of the St. John rivers, the neighborhood of Penobscot Bay and various other separated localities. The expedition into the wild lands was accompanied by Mr. O. White of Amherst, who, at his own expense, explored the Allagash and Caucomgomoc lakes. Part I of the report treats of the observations made in Natural History; Part II includes the description of the geological features of the country investigated, and Part III is devoted to the results of the chemical examination of soils and rocks.

The collections obtained by the several members of the survey were deposited in the rooms of the Portland Society of Natural History, and from these suites of specimens were selected, one of which was deposited in the State House at Augusta. It was intended to present other suites to the various colleges and other institutions of learning within the State, but this was never done. Certain specimens in the cabinet of Colby University indicate that this college obtained a small suite of specimens which had originally belonged to one of Hitchcock's sets, but whether it obtained them by exchange or by presentation is not known.

It is evident from the introductory remarks accompanying the Report of 1862, that it was expected to continue the survey until all portions of the State had been examined. The legislature, however, thought it unwise to complete the work so auspiciously begun, and so refused to appropriate the small sum necessary for its continuance. Action upon the matter was postponed from year to year until finally it was dropped, and the work left unfinished.

The reports of the second survey, so far as they treat of the geological features of the State, are of very great interest to geologists, more particularly because they represent the only work of a general nature that has been done on the subject. Their value, however, would have been very much greater had the entire collection so laboriously made by Hitchcock and his assistants been preserved for reference.

Unfortunately the specimens deposited with the Portland Society of Natural History were lost in the fire that destroyed the Society's buildings in 1866. The typical set placed in the State House was removed from the position in which it was originally placed to make room for other things. The specimens were thrown promiscuously into boxes and as a result the labels on many of them were destroyed or lost and the specimens themselves rendered valueless. To add to the confusion the catalogues accompanying the collection disappeared, so that but little is now left to represent the money and talents expended in its preparation.

In order that the few specimens still remaining from the general wreck might be preserved as far as possible from utter destruction the legislature of 1888-9 passed an order as follows:

Resolved, That the superintendent of public buildings be and hereby is authorized and directed to transfer and remove the geological specimens, now stored in the basement of the capitol building, to Colby University, Waterville, Maine; and that the Governor and Council be authorized to draw a warrant for the necessary expenses attending such removal. Said university as far as it may be within the power of the officers of its geological department so to do, shall arrange and classify said specimens, label them with a card bearing the words, "State Geological Collection," place them on exhibition during the entire college year, answer all questions in reference to the same, addressed to said department by the people of the State, and in general shall take all the care and precaution which scientific institutions usually exercise in the preservation of such specimens. Said specimens to remain the property of the State, subject to the order of the legislature.

In accordance with this resolution all the specimens stored in the State House were transferred to Waterville and placed in the possession and under the care of Colby University.

As many of them as could be identified have been carefully labelled and placed in cases where they can be examined by any

one who may desire to do so. The remainder are packed in boxes and safely stored, subject to the order of the legislature.

Since this collection is the only existing remnant of the large suite of specimens gathered during the course of the survey, its value and importance for purposes of reference can not be estimated.

Within the past few weeks many valuable geological specimens have been placed in the museum, as follows:

Sixty-eight specimens of Maine granite, collected by T. Nelson Dale, Geologist of the U. S. Geological Survey for the State of Maine, in 1905; 143 specimens illustrating the geology of the Eastport Quadrangle, the same having been collected by the U. S. Geological Survey for this State while making surveys in this quadrangle; also 46 specimens from the Penobscot Bay Quadrangle.

Black walnut cases have just been completed in which to display these specimens, the remainder of the material from the old flag cases having been used in this work.

We take this occasion to express our appreciation of the assistance rendered this Department by Hon. Cyrus C. Babb, Chief Engineer of the Water Storage Commission, in securing these three lots of specimens for the museum.

The museum is annually visited by thousands of people, many entire schools making excursions to the capitol largely to inspect the collection of fish, birds and animals of our State.

In response to numerous requests for a catalogue of the mounted specimens, we have prepared the following list:

CATALOGUE OF SPECIMENS IN THE STATE MUSEUM.

1 Holbell's Grebe,	43 Blue-winged Teal,
2 Pied-billed Grebe,	44 Blue-winged Teal,
3 Loon,	45 Pintail,
4 Loon,	46 Wood Duck,
5 Loon,	47 Wood Duck
6 Loon,	48 Wood Duck,
7 Loon,	49 Wood Duck,
8 Loon,	50 American Scaup Duck,
9 Loon,	51 American Scaup Duck,
10 Red-throated Loon,	52 Ring-necked Duck,
11 Puffin,	53 American Golden Eye,
12 Black Guillemot,	54 American Golden Eye,
13 Murre,	55 Buffle-head,
14 Murre,	56 Old Squaw,
15 Brünnich's Murre,	57 American Eider,
16 Razor-billed Auk,	58 American Eider,
17 Razor-billed Auk,	59 American Eider,
18 Dovekie,	60 King Eider,
19 American Herring Gull,	61 American Scoter,
20 American Herring Gull,	62 American Scoter,
21 American Herring Gull,	63 American Scoter,
22 American Herring Gull,	64 American Scoter,
23 American Herring Gull,	65 Surf Scoter,
24 American Herring Gull,	66 Canada Goose,
25 Common Tern,	67 Brant,
26 Common Tern,	68 Brant,
27 Common Tern,	69 American Bittern,
28 Cormorant,	70 Great Blue Heron,
29 Cormorant,	71 Great Blue Heron,
30 Brown Pelican,	72 Green Heron,
31 American Merganser,	73 Virginia Rail,
32 Red-breasted Merganser,	74 Sora,
33 Hooded Merganser,	75 American Coot,
34 Hooded Merganser,	76 American Coot,
35 Mallard,	77 American Coot,
36 Mallard,	78 American Coot,
37 Mallard,	79 American Coot,
38 Black Duck,	80 Northern Phalarope,
39 Black Duck,	81 Northern Phalarope,
40 Gadwall,	82 American Woodcock,
41 Baldpate,	83 American Woodcock,
42 Green-winged Teal,	84 American Woodcock,

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| 85 American Woodcock, | 133 Red-shouldered Hawk, |
| 86 American Woodcock, | 134 Red-shouldered Hawk, |
| 87 Wilson's Snipe, | 135 Red-shouldered Hawk, |
| 88 Purple Sandpiper, | 136 American Rough-legged Hawk, |
| 89 Purple Sandpiper, | 137 Bald Eagle, |
| 90 Pectoral Sandpiper, | 138 Bald Eagle, |
| 91 Pectoral Sandpiper, | 139 Bald Eagle, |
| 92 Pectoral Sandpiper, | 140 Pigeon Hawk, |
| 93 Pectoral Sandpiper, | 141 American Sparrow Hawk, |
| 94 Least Sandpiper, | 142 American Osprey, |
| 95 Hudsonian Godwit, | 143 American Osprey, |
| 96 Greater Yellowlegs, | 144 American Long-eared Owl, |
| 97 Greater Yellowlegs, | 145 American Long-eared-Owl, |
| 98 Willet, | 146 Barred Owl, |
| 99 Hudsonian Curlew, | 147 Barred Owl, |
| 100 Black-bellied plover, | 148 Barred Owl, |
| 101 Black-bellied plover, | 149 Great Gray Owl, |
| 102 Bob White, | 150 Richardson's Owl, |
| 103 Bob White, | 151 Richardson's Owl, |
| 104 Bob White, | 152 Saw-whet Owl, |
| 105 Bob White, | 153 Saw-whet Owl, |
| 106 Bob White, | 154 Screech Owl, |
| 107 Canada Grouse, | 155 Great Horned Owl, |
| 108 Canada Grouse, | 156 Great Horned Owl, |
| 109 Canadian Ruffed Grouse, | 157 Great Horned Owl, |
| 110 Canadian Ruffed Grouse, | 158 Great Horned Owl, |
| 111 Canadian Ruffed Grouse, | 159 Snowy Owl, |
| 112 Canadian Ruffed Grouse, | 160 Snowy Owl, |
| 113 Canadian Ruffed Grouse, | 161 Snowy Owl, |
| 114 Canadian Ruffed Grouse, | 162 American Hawk Owl, |
| 115 Canadian Ruffed Grouse, | 163 American Hawk Owl, |
| 116 Canadian Ruffed Grouse, | 164 Belted Kingfisher, |
| 117 Canadian Ruffed Grouse, | 165 Hairy Woodpecker, |
| 118 Mourning Dove, | 166 Hairy Woodpecker, |
| 119 Black Vulture, | 167 Hairy Woodpecker, |
| 120 Marsh Hawk, | 168 Arctic Three-toed Woodpecker, |
| 121 Red-tailed Hawk, | 169 Yellow-bellied Sap Sucker, |
| 122 Sharp-shinned Hawk, | 170 Yellow-bellied Sap Sucker, |
| 123 Cooper's Hawk, | 171 Pileated Woodpecker, |
| 124 Cooper's Hawk, | 172 Pileated Woodpecker, |
| 125 American Goshawk, | 173 Pileated Woodpecker, |
| 126 American Goshawk, | 174 Pileated Woodpecker, |
| 127 American Goshawk, | 175 Pileated Woodpecker, |
| 128 American Goshawk, | 176 Flicker, |
| 129 American Goshawk, | 177 Flicker, |
| 130 Red-tailed Hawk, | 178 Flicker, |
| 131 Red-tailed Hawk, | 179 Night Hawk, |
| 132 Red-shouldered Hawk, | 180 Chimney Swift, |

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| 181 Chimney Swift, | 229 Wilson's Thrush, |
| 182 Ruby-throated Humming Bird, | 230 Brown Thrasher, |
| 183 Least Flycatcher, | 231 Brown Thrasher, |
| 184 Horned Lark, | 232 American Robin, |
| 185 Horned Lark, | 233 American Robin, |
| 186 Blue Jay, | 234 Bluebird, |
| 187 Blue Jay, | 235 Western Bluebird, |
| 188 Canada Jay, | 236 Prairie Chicken, |
| 189 Canada Jay, | 237 Hungarian Partridge, |
| 190 Northern Raven, | 238 Hungarian Partridge, |
| 191 American Crow, | 239 Hungarian Partridge, |
| 192 Florida Crow, | 240 Jungle Fowl from India, |
| 193 Red-winged Black-bird, | 241 Prairie Chicken, |
| 194 Red-winged Black-bird, | 242 Jungle Fowl from India, |
| 195 Meadow Lark, | 243 Jungle Fowl from India, |
| 196 Meadow Lark, | 244 Ring Pheasant, |
| 197 Baltimore Oriole, | 245 Ring Pheasant, |
| 198 Baltimore Oriole, | 246 Ring Pheasant, |
| 199 Bronzed Grackle, | 247 Ring Pheasant, |
| 200 Pine Grosbeak, | 248 Black Game, |
| 201 Pine Grosbeak, | 249 Hungarian Partridge, |
| 202 Purple Finch, | 250 Hungarian Partridge, |
| 203 American Crossbill, | 251 Hungarian Partridge, |
| 204 Red-poll, | 252 Black Game, |
| 205 American Goldfinch, | 253 Hungarian Partridge, |
| 206 American Goldfinch, | 254 Weaver Bird and Nest, |
| 207 Snowflake, | 255 Bull Moose, |
| 208 Snowflake, | 256 Bull Moose, |
| 209 Snowflake, | 257 Bull Moose, |
| 210 Snowflake, | 258 Cow Moose, |
| 211 White-throated Sparrow, | 259 Cow Moose, |
| 212 Field Sparrow, | 260 Cow Moose, |
| 213 Slate-colored Junco, | 261 Yearling Moose, |
| 214 Slate-colored Junco, | 262 Yearling Moose, |
| 215 Fox Sparrow, | 263 Immature Calf Moose, |
| 216 Fox Sparrow, | 264 Immature Calf Moose, |
| 217 Rose-breasted Grosbeak, | 265 Bull Caribou, |
| 218 Cedar Waxwing, | 266 Cow Caribou, |
| 219 Cedar Waxwing, | 267 Yearling Caribou, |
| 220 Northern Shrike, | 268 Buck Deer, |
| 221 Northern Shrike, | 269 Buck Deer, |
| 222 Red-eyed Vireo and nest, | 270 Buck Deer, |
| 223 Yellow Warbler, | 271 Buck Deer, (albino), |
| 224 Black-throated Green Warbler, | 272 Buck Deer, (albino), |
| 225 Black-throated Green Warbler, | 273 Buck Deer, (albino), |
| 226 Mourning Warbler, | 274 Doe Deer, |
| 227 Maryland Yellow-throated " | 275 Doe Deer, (albino), |
| 228 Western Yellow-throated " | 276 Fawn Deer, |

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| 277 Fawn Deer, | 325 Muskrat, |
| 278 Fawn Deer, | 326 Muskrat, |
| 279 Buffalo Calf, | 327 Muskrat, |
| 280 Black Bear, | 328 Muskrat, |
| 281 Black Bear, | 329 Skunk, |
| 282 Black Bear, | 330 Skunk, (young), |
| 283 Canada Lynx, | 331 Mole, |
| 284 Wild Cat or Bay Lynx, | 332 Long-tailed Shrew, |
| 285 Wild Cat, (Kitten), | 333 Bull Moose Head, |
| 286 Beaver, | 334 Bull Moose Head, |
| 287 Beaver, | 335 Bull Moose Head, |
| 288 Beaver, | 336 Bull Moose Head, |
| 289 Red Fox, | 337 Bull Moose Head, |
| 290 Red Fox, (young), | 338 Bull Moose Head, |
| 291 Badger, | 339 Cow Moose Head, |
| 292 Woodchuck, | 340 Caribou Head, |
| 293 Woodchuck, (albino), | 341 Caribou Head, |
| 294 Woodchuck, (black), | 342 Buck Deer Head, |
| 295 Porcupine, | 343 Buck Deer Head, |
| 296 Porcupine, | 344 Buck Deer Head, |
| 297 Porcupine, | 345 Buck Deer Head, |
| 298 Porcupine, (albino), | 346 Buck Deer Head, |
| 299 Porcupine, (albino), | 347 Buck Deer Head, |
| 300 Gray Squirrel, | 348 Buck Deer Head, |
| 301 Gray Squirrel, | 349 Buck Deer Head, |
| 302 Fox Squirrel, | 350 Buck Deer Head, |
| 303 Flying Squirrel, | 351 Buck Deer Head, |
| 304 Red Squirrel, | 352 Buck Deer Head, |
| 305 Red Squirrel, | 353 Buck Deer Head, |
| 306 Chipmunk, | 354 Buck Deer Head, |
| 307 Chipmunk, | 355 Buck Deer Head, |
| 308 Wild Hare, (summer), | 356 Doe Deer Head with one horn, |
| 309 Wild Hare, (summer), | 357 Rabbit Head, |
| 310 Wild Hare, (winter), | 358 Rabbit Head, |
| 311 Wild Hare, (black), | 359 Rabbit Head, |
| 312 Domestic Rabbit, | 360 Rabbit Head, |
| 313 Raccoon, | 361 Rabbit Head, |
| 314 Raccoon, | 362 Rabbit Head, |
| 315 Fisher, | 363 Rabbit Head, |
| 316 Fisher, | 364 Rabbit Head, |
| 317 Otter, | 365 Rabbit Head, |
| 318 Sable, | 366 Rabbit Head, |
| 319 Sable, | 367 Rabbit Head, |
| 320 Mink, | 368 Mounted Moose Horns, |
| 321 Weasel, | 369 Mounted Moose Horns, |
| 322 Weasel, | 370 Mounted Moose Horns, |
| 323 Weasel, | 371 Mounted Caribou Horns, |
| 324 Muskrat, | 372 Mounted Caribou Horns, |

373 Mounted Caribou Horns,	387 Trout, (Square-tailed), on panel,
374 Mounted Caribou Horns,	388 Trout, (Square-tailed), on panel,
375 Steer Horns,	389 Trout, (Square-tailed), on panel,
376 Gun Rack, (10 Deer Horns),	390 Brown Trout,
377 Chair made of Deer Horns,	391 Land-locked Salmon in convex glass case,
378 Land-locked Salmon on panel,	392 Square-tailed Trout in convex glass case,
379 Land-locked Salmon on panel,	393 Square-tailed Trout in convex glass case,
380 Land-locked Salmon on panel,	394 Cod-fish cast, in convex glass case,
381 Trout, (Square-tailed), on panel,	395 Chub in Formaldehyde,
382 Trout, (Square-tailed), on panel,	396 Chub in Formaldehyde,
383 Trout, (Square-tailed), on panel,	397 Lobster under glass, 14 lbs.,
384 Trout, (Square-tailed), on panel,	398 Lobster on panel, 21 lbs.,
385 Trout, (Square-tailed), on panel,	399 Porcupine fish,
386 Trout, (Square-tailed), on panel,	

The following interesting collection of specimens has recently been contributed to the museum by Mr. W. P. Damon, of Auburn, Me.

This valuable addition to the museum is much appreciated, and the thanks of this Commission are hereby extended to Mr. Damon for his generosity.

Collection of Geological and Miscellaneous Specimens presented to the State Museum by W. P. Damon, Auburn, Me., in November, 1912.

Indian Tomahawk,	Pyratite,
Lepidolite,	Smoky Quartz,
Quartz and Pyrite,	Indian Hammer,
Indian Corn Pounders,	Indian Gouge,
Tourmaline in Quartz and Lepido- lite,	Hornblende,
Foliated Albite,	Zinc Blend,
Green Tourmaline, in Mica,	Green Beryl,
Cinnamon Garnet,	Cleavelandite, and Red Tourmaline,
Iron Pyrite (two specimens),	Columnar Tourmaline,
Black Tourmaline,	Agate, (Moss),
Red Garnets,	Agate, Red Carnelian,
Crystal Quartz,	Indian Whetstone,
Red and Green Tourmaline,	Indian Axe,
Feldspar,	Indian Morter for grinding corn,
Native Copper,	2 Pewter Plates,
Red Tourmaline, (two specimens),	Pewter Ladle,
Green Tourmaline in Quartz,	Pewter Spoon,
Lepidolite,	Nine Indian Arrow Points,
Green Tourmaline,	Indian Spear Head,
Cinnamon Garnet,	Cannon Ball,
Puttiding Stone,	3 Fragments of Pottery,
	Pair Candle Sticks,

REPORTS OF LICENSEES.

GUIDES.

Reports received from 1640 guides show that they guided this season 69,866 days, during this time guiding 8533 non-residents and 3575 residents, 2905 of these being hunters.

They report that the parties they have guided killed 3029 deer, 80 moose and 58 bears.

201 report moose more plentiful than last year.

576 report moose less plentiful than last year.

436 report deer more plentiful than last year.

336 report deer less plentiful than last year.

943 report partridge more plentiful than last year.

144 report partridge less plentiful than last year.

They report 15 moose killed when with other guides.

They report 338 deer killed when with other guides.

They report 10 bears killed when with other guides.

They report 63 moose killed by persons employing no guide.

They report 1574 deer killed by persons employing no guide.

They report 2 bears killed by persons employing no guide.

253 report that they did not guide this season.

CAMP PROPRIETORS.

Reports received from 101 camp proprietors show that they entertained 4070 resident guests and 6403 non-resident guests, 1454 of these being hunters. Number of deer consumed in these camps, 239. Number of deer bought for consumption at these camps, 74.

HUNTERS AND TRAPPERS.

Reports received from 278 of the licensed hunters and trappers show that the following fur-bearing animals were taken by virtue of their licenses:

Skunk, 262. Mink, 1605. Fisher, Marten, Black-Cat, 404. Otter, 49. Weasel, 2514. Muskrat, 3972. Bear, 154. Fox, 857. Beaver, 273. Raccoon, 77. Sable, 154. Bob-Cat, 93. Lynx, 18. Ermine, 153.

DEALERS IN DEER SKINS.

Reports received from 82 of the licensed dealers in deer skins show that they purchased by virtue of their licenses, 8561 deer skins.

Average price of deer skins 86 cents.

MARKETMEN.

Reports received from 30 of the Licensed Marketmen show that they bought by virtue of their licenses, 294 deer for sale at retail to their local customers.

TAXIDERMISTS.

Reports from 38 of the licensed taxidermists show that they have mounted the following specimens: Deer, 6. Deer Heads, 1513. Moose, 2. Moose Heads, 424. Fish, 382. Miscellaneous Birds, 461. Weasel, 14. Gray Squirrel, 29. Caribou Heads, 61. Bear, 41. Woodchuck, 2. Fox Mat, 1. Bob-Cat, 5. Fox, 37. Raccoon, 3. Moose Horns, 1 pair. Moose Skins tanned, 5. Albino Hedgehog, 1. Deer Skins tanned, 5. Deer feet, 44. Rabbit, 6. Muskrat, 1. Mink, 1. Bear Rug, 10, Deer Rug, 7. Red Squirrel, 5.

Commissioners to Take Birds, Their Nests and Eggs for Scientific Purposes.

Reports from 9 Commissioners to Take Birds, Their Nests and Eggs for Scientific Purposes show that they have taken by virtue of their commissions, for scientific purposes only, 64 miscellaneous birds and 26 eggs.

GAME SHIPMENTS SEASON OF 1912.

We have received reports of game shipments over the several railroads in the State as follows:

SANDY RIVER AND RANGELEY LAKES RAILROAD.

	Deer.	Moose.	Bears.	Partridges.	Ducks.	Bobcats.
Bigelow	206	3	82			1
Carrabasset . .	144	2	9		3	
Kingfield . . .	41	1	5			
Salem	12					
Strong	5					
Rangeley . . .	82		50			
Phillips	65					
Total	555	6	146		3	1

BANGOR & AROOSTOOK R. R. CO.

Deer.	Moose.	Bears.
3993	97	66

MAINE CENTRAL RAILROAD.

Deer.	Moose.	Bears.
4659	121	110

FINANCIAL STATEMENT DECEMBER 31, 1912, FOR THE
YEAR 1912.

Appropriation for Fish and Game.....	\$75,000 00
PAYMENTS IN 1912.	
Commissioners' expenses	434 36
Clerk's expenses	8 92
Clerk Hire	1,737 28
Telephone and Telegraph.....	147 18
Postage	703 66
Stationary, Printing and Binding.....	573 45
Office supplies	108 75
Express and Freight	40 44
Miscellaneous	46 46
Warden service	24,483 35
Wardens' expenses	9,132 32
Boats and Wardens' outfit.....	6 00
Mounting and State exhibits.....	1,388 40
State camps	48 88
Licenses refunded	53 50
Damage to crops.....	1,349 40
Costs and legal expenses.....	167 05
Auburn Hatchery	2,503 70
Belgrade Hatchery	1,549 43
Caribou Hatchery	1,550 87
Enfield Hatchery	1,325 56
Moosehead Hatchery	1,688 18
Moxie Hatchery	1,247 10
Monmouth Hatchery	3,040 88
Oquossoc Hatchery	2,665 09
Sebago Hatchery	2,130 88
Knox County Hatchery.....	1,550 63
Gen'l Supt. of Hatcheries' Salary.....	840 00
Gen'l Supt. of Hatcheries' Expenses.....	610 69
Posting and Publishing Notices.....	244 96
Balance to pay 1912 bills until July 1, 1913.....	13,622 63
	<u>\$75,000 00</u>

INLAND FISHERIES AND GAME.

BOUNTIES ON BOB-CATS.

Appropriation for 1912.....	\$1,000 00
Payments, 404 claims	808 00
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Unexpended balance for 1912 claims available until July 1, 1913	\$192 00

BOUNTIES ON BEARS—FRANKLIN COUNTY.

Appropriation for 1912.....	\$200 00
Payments, 18 claims	90 00
	<hr/>
Unexpended balance for 1912 bills available until July 1, 1913	\$110 00

BOUNTY ON BEARS—OXFORD COUNTY.

Appropriation for 1912.....	\$100 00
Payments, 18 claims	90 00
	<hr/>
Unexpended balance for 1912 bills available until July 1, 1913	\$10 00

BOUNTY ON BEARS—WASHINGTON AND HANCOCK COUNTIES.

Appropriation	\$1,000 00
Payments, 133 claims	665 00
	<hr/>
Unexpended balance for 1912 bills available until July 1, 1913	\$335 00

SALARY OF CHAIRMAN AND ONE ASSOCIATE COMMISSIONER.

Appropriation	\$3,000 00
Expenditures	3,000 00
	<hr/>
Unexpended balance	\$0,000 00

SALARY OF CLERK.

Appropriation	\$1,000 00
Expenditures	1,000 00
	<hr/>
Unexpended balance	\$0,000 00

CASH RECEIPTS FOR THE YEAR 1912 AND PAID TO THE STATE TREASURER.

Fines received by Treasurer.....	\$803 59
Resident guides' licenses, 1935 at \$1 each.....	1,935 00
Non-resident guides' licenses, 29 at \$20 each.....	580 00
Hunters and trappers' licenses, 432 at \$5 each.....	2,160 00
Camp proprietors' licenses, 139 at \$5 each.....	695 00
County dealers in skins, 78 at \$5 each.....	390 00
State dealers in skins, 24 at \$10 each.....	240 00
Non-resident and U. F. B. dealers in skins, 15 at \$10 each....	150 00
Marketmen's licenses	116 50
Commissioners to take birds, nests and eggs, 1 at \$5.....	5 00
Taxidermists' licenses, 10 at \$5 each	50 00
Bird hunting licenses, 656 at \$5 each, less com. allowed agents	3,226 21
Hunting licenses after Oct. 1, 1873 at \$15 each, less commis- sion allowed agents	27,148 56
Hunting licenses exchanged, 104 at \$10 each, less commission allowed agents	1,004 70
U. F. B. hunting licenses, 25 at \$15 each.....	375 00
Transportation license tags.....	843 56
Miscellaneous	867 84
Fines received by F. & G. Com.....	1,512 32
	<hr/>
Total	\$42,103 28

RECOMMENDATIONS FOR AMENDMENTS TO THE INLAND
FISH AND GAME LAWS.

FIRST: Place a close time of from two to four years on bull moose.

SECOND: Repeal bounty on bears.

THIRD: Enact a resident hunting license law—fee not to exceed one dollar.

FOURTH: Enact a non-resident fishing license law with nominal fee—say five dollars.

FIFTH: Simplify the fishing laws by repealing the bulk of the private and special laws and enacting, perhaps, a special law for each county or group of counties.

SIXTH: We recommend that the Legislature pass a resolution recommending the passage by Congress of the bill now pending therein providing for a National Park and for acquiring National Forests in the Mt. Katahdin region in this State.

SEVENTH: Place close time on all fur bearing animals, except lynx, except at such time as the skins are prime.

EIGHTH: Reduce the non-resident hunter's license fee to ten dollars when close time is placed on bull moose.

NINTH: Enact a law making it unlawful to pollute streams by placing or throwing sawdust or other mill waste or other deleterious substances therein.

TENTH: Declare all State lands to be State Game Refuges and Forest Preserves.

ELEVENTH: We recommend the passage of a federal law affording protection to migratory birds.