

MAINE STATE LEGISLATURE

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PUBLIC DOCUMENTS OF MAINE:

1908

BEING THE

ANNUAL REPORTS

OF THE VARIOUS

Departments and Institutions

For the Year 1907

VOLUME II

REPORT
OF THE
COMMISSIONERS
OF
INLAND FISHERIES AND GAME

FOR THE
STATE OF MAINE

FOR THE YEAR

1907

AUGUSTA
KENNEBEC JOURNAL PRINT
1908

STATE OF MAINE.

To His Excellency, William T. Cobb, 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., 1907, as required by section 32 of chapter 32 of the Revised Statutes.

L. T. CARLETON, *Chairman,*

J. W. BRACKETT,

E. E. RING,

Commissioners of Inland Fisheries and Game.

FISH HATCHERIES AND FEEDING STATIONS.

Wallace E. Berry, who had been General Superintendent of Hatcheries for four years, died on the 29th day of October, 1907, after a lingering illness, from an injury received at the Monmouth Hatchery. He left no report of his work for this year. We present herewith the report of the superintendents of the various hatcheries and feeding stations.

SEBAGO LAKE FISH HATCHERY AND FEEDING STATION.

C. L. FLOYD, Supt.

No. of landlocked salmon eggs taken fall of 1906...	405,000
No. of eggs shipped to Moosehead Lake Hatchery..	75,000
No. of eggs shipped to Caribou Hatchery.....	25,000
No. of eggs shipped to Monmouth Hatchery.....	45,000
No. of eggs shipped to Belgrade Hatchery.....	35,000
No. of eggs hatched.....	170,000
Loss of eggs and fry	55,000
No. of yearling fingerling (last spring hatch) salmon now in hatchery.....	125,000
There are at present in the hatchery, yearling salmon	118,000

The fish from this hatchery were planted in the following waters:

Sebago Lake, 21,000 two-year-old salmon; 17,000 one-year-old salmon.

Panther Pond, Raymond, 14,000 one-year-old salmon.

Thomas Pond, Raymond and Casco, 3,000 one-year-old salmon.

The last legislature appropriated five thousand dollars for 1907 to enlarge and repair this feeding station. We have

expended this amount in the purchase of 12-inch pipe and laying the same from the station to Panther Pond, a distance of 2500 feet. This insures a sufficient volume of clear pure water of an even temperature. The appropriation of five thousand dollars for 1908 will be expended mostly to enlarge the capacity for feeding fish until they are one, and two years old, before planting them. It is generally conceded that much better results will be obtained by growing the fish in the station until they are two years of age, than by planting them when fingerlings or yearlings. This applies equally as well to all the other feeding stations. The screening of Sebago Lake, together with the product of this hatchery, has very greatly increased the catch of salmon in the waters of Sebago and other near-by lakes. It is claimed that it is unfair to ship any salmon eggs from this, to other hatcheries, but we have kept and fed all the fish at this hatchery that its capacity affords. It is no particular detriment to Sebago Lake to ship eggs from this to other hatcheries, as the fish when hatched from these eggs, after being fed in these other hatcheries until fall, and many more besides, are planted in the waters of Cumberland and York counties. If not taken and hatched artificially not two per cent would hatch naturally and arrive at maturity. It is therefore better, we believe, to take all the eggs possible, hatch and raise all we can in this hatchery, sending the surplus to other hatcheries to be later returned to the waters in that part of the State, as fingerlings or older. It is not our intention at all to discriminate against one part of the State in favor of another part, but to do that which in our judgment is for the best interests of the whole State.

LAKE AUBURN FISH HATCHERY.

JOHN F. STANLEY, Supt.

Number of trout eggs taken fall of 1906.....	24,000
Number of trout eggs received from Lake Auburn Fish Protective Assn., 5000 trout in exchange for 5000 brown trout.....	5,000
Number of trout eggs received form U. S. Hatchery	3,000
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	32,000

Loss of eggs in hatching	2,200
Loss of fry during summer.....	1,500
Number of fish distributed.....	26,500
Number of fish now in hatchery.....	1,800
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	32,000

These fish were fed until fall and then planted in the following waters:

Damariscotta Mills Brook.....	1,000
Muddy Brook, Union.....	500
No name given, Washington.....	2,000
Dead River Pond, Dallas Plantation.....	1,500
Lake Christopher, Woodstock.....	1,000
Shag Pond, Sumner.....	1,000
Garland Pond, Byron.....	1,000
Howard Pond, Hanover.....	1,000
Pennesseewassee Lake, Norway.....	2,000
Little Concord, Sumner.....	500
Overset Pond, Greenwood.....	2,000
B. Pond, Upton.....	2,000
Barker Pond, Hiram.....	2,000
Round Pond, Greenwood.....	1,000
South Pond, Greenwood.....	2,000
Twitchell Pond, Greenwood.....	1,000
Bunganaut Pond, South Waterboro.....	2,000
Hancock Pond, Sebago.....	2,000
Howard Pond, Hanover.....	1,000
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	26,500

Number of landlocked salmon eggs taken fall of 1906,	324,000
Loss of eggs in hatching	10,500
Loss of fry during summer.....	9,100
Number of eggs shipped to Monmouth Hatchery	92,000
Number of eggs shipped to Caribou Hatch- ery	75,000
Number of eggs shipped to Belgrade Hatchery	32,000

The fish in this hatchery were fed until fall and then planted in the following waters:

Lake Auburn Fish Protective Assn.....	60,900
Kennebunk Pond	3,000
Crawford Pond, South Union.....	5,000
Chickawekie Lake, Rockland.....	1,000
Leonards Pond, Rockland.....	1,000
Sennebec Pond, Union.....	2,000
Lake Kezar, Lovell.....	5,000
Lake in Washington	3,000
Lake Kezar, Lovell.....	5,000
Bear Pond, Hartford.....	1,000
Canaan Lake, Camden	5,000
Lake Christopher, Woodstock	2,000
Abbott Pond, Sumner	1,000
Howard Pond, Hanover.....	1,500
Little Concord, Sumner.....	1,000
Marshall Pond, Hebron.....	1,000
Round Pond, Greenwood.....	1,000
Twitchell Pond, Greenwood.....	1,000
Concord Pond, Woodstock.....	1,000
Bunganaut Pond, South Waterboro	2,000
Hancock Pond, West Sebago.....	2,000
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	105,400
Number of brown trout eggs taken fall of 1906.....	28,000
Loss of fry in hatching.....	3,100
Loss of fry during summer	3,000
Number of fish distributed.....	20,500
Number of fish left at hatchery.....	1,400
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	28,000

These fish were fed until fall and then planted in the following waters:

Cow Pond, Rangeley	2,500
Bear Pond, Hartford.....	2,000
Marshall Pond, Hebron.....	1,000
Lufkin Pond, Phillips.....	5,000
Concord Pond, Woodstock.....	2,000

Sent to Phillips.....	3,000
Lake Auburn Fish Protective Assn.....	5,000
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	20,500

As explanatory of the item of 60,900 landlocked salmon delivered to the Lake Auburn Fish Protective Association, we submit the following from our report of 1900:

"Note. The large number of fish planted in Lake Auburn is accounted for by the following: The land on which the fish hatchery and buildings are erected at East Auburn was leased of the Lake Auburn Fish Protective Association, in 1895, for a term of twenty years, one of the conditions of this lease being as follows: 'That the State shall annually return to said Lake Auburn at least 25% of the young fish reared from spawn taken from landlocked salmon in said lake, and all the young fish reared from at least 150,000 spawn taken from trout from Lake Auburn; provided that the young fish raised from said 150,000 spawn shall not exceed 50% of all the young fish raised from spawn taken from said brook and lake; and further provided that the number of young trout so returned shall not be less than 25% of all such fish reared from spawn taken from said brook and lake; and further provided that young fish from spawn of trout from waters other than Lake Auburn may be substituted. And the return to and liberation of said young fish in the waters of said lake or its tributaries shall be under the supervision of a committee for that purpose, appointed by the board of directors of said party of the first part, after due notice to its president; which notice may be given, in writing by any member of the board of Commissioners of Inland Fisheries and Game of Maine, at least ten days before liberating said fish; provided, however, that said commissioners may liberate said fish at the expiration of the time fixed in said notice for their liberation if such committee is not appointed or refuses or neglects to supervise such liberation, and the commissioners' statement in writing of the fact and the number of fish liberated shall be final and conclusive.

That the young fish so as aforesaid returned and liberated into said Lake Auburn shall be equal to the average in size and quality, of the young fish reared at said hatchery.'"

We get a large supply of salmon eggs from salmon taken from this lake.

This is of great importance, as eggs can be taken much cheaper here than at any other place in Maine now accessible, and this lake is an important breeding ground for landlocked salmon from which to take eggs for our hatcheries.

CARIBOU HATCHERY.

GRANT HINDS, Supt.

Number of trout eggs taken fall of 1906.....	10,000
Number of trout eggs hatched.....	8,605
Loss of eggs and fry	2,500
Number of fish distributed.....	7,500
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	10,000

These fish were planted in the following waters:

Madawaska Lake, New Sweden.....	2,000
Echo Lake, Presque Isle.....	2,000
Little Machias Lake, Ashland.....	2,500
Shin Pond, Patten.....	1,000
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	7,500

There were planted also from this hatchery 9,500 fish which were wintered here, as follows:

Portage Lake, near Fort Kent.....	5,000
Squa Pan Lake, near Ashland.....	4,500
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	9,500

Number of landlocked salmon eggs taken fall of 1906,	10,000
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Number of landlocked salmon eggs received from Raymond Hatchery	25,000
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Number of landlocked salmon eggs received from Auburn Hatchery	75,000
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	110,000

Number of salmon eggs hatched.....	105,271
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Loss of eggs and fry	16,205
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Number distributed	84,000
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Number of fish on hand.....	9,795
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	110,000

These landlocked salmon were planted in the following waters:

Madawaska Lake, New Sweden.....	25,000
Echo Lake, Presque Isle.....	9,000
Davis Lake, Patten.....	5,000
Trout Ponds, Norcross.....	5,000
Millinocket Lake, Norcross.....	5,000
Eagle Lake, near Fort Kent.....	10,000
Cross Lake, near Fort Kent.....	10,000
Squa Pan Lake.....	10,000
B. Pond, Houlton.....	5,000
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	84,000

There were also planted from this hatchery 32,000 landlocked salmon which were wintered here, as follows:

Eagle Lake, near Fort Kent.....	10,000
Portage Lake, near Fort Kent.....	5,000
Squa Pan Lake, near Ashland.....	5,000
Umcuclus Lake, Rockabema, 1 year old.....	8,000
Shin Pond, Patten, 1 year old.....	4,000
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	32,000

RANGELEY LAKES HATCHERY.

ARTHUR BRIGGS, Supt.

Number of trout eggs taken fall of 1906.....	450,000
Loss of eggs in hatching.....	17,831
Loss of fry during summer.....	13,622
Number of trout distributed.....	390,000
Number of trout on hand.....	28,547
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	450,000

(To be distributed this fall, 18,000; to be wintered, 10,547.)

These trout were planted in the following waters:

Mooselookmeguntic and Cupsuptic Lakes (3 mo. old)	250,000
Quimby Pond, Rangeley (6 mo. old).....	4,000
Mt. Blue Pond, Phillips.....	7,000
Dead River Pond, Rangeley.....	2,000
Long Pond, Rangeley.....	3,000

King and Bartlett Lakes, Eustis	2,000
Redington Pond, Redington	2,500
Sweets Pond, New Vineyard.....	500
Dodge Pond, Rangeley.....	1,000
Grindstone Pond, Kingfield.....	3,000
Four Ponds, Rangeley.....	5,000
Lake Webb, Weld.....	4,000
Rangeley Lake, Rangeley.....	106,000
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	390,000

Trout to be distributed this fall as follows:

Sandy River Pond, S. R. Plantation.....	2,000
E. F. Coburn, Middledam.....	5,000
Lewis Chadwick, Upperdam.....	5,000
Round Mt. Lake, Stratton.....	2,000
Spring Lake, Eustis.....	2,000
Blakeslee Lake, Eustis.....	2,000
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	18,000

Yearlings planted:

Mooselookmeguntic Lake	5,200
Rangeley Lake	4,000
Dead River Pond, Rangeley.....	200
King and Bartlett Lakes, Eustis	200
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	9,600

To be planted this fall in Blakeslee Lake, Eustis....	400
Number of landlocked salmon eggs taken fall of 1906,	55,000
Loss of eggs in hatching.....	2,958
Loss of fry during summer.....	1,542
Number distributed	41,500
Number on hand.....	9,000
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	55,000

These landlocked salmon were planted in the following waters:

Cupsuptic Lake, Rangeley (6 mo. old).....	8,000
Dodge Pond, Rangeley.....	1,500
Sweets Pond, New Vineyard.....	1,000
Sweets Pond, New Vineyard.....	2,000
Gull Pond, Rangeley.....	4,000

Loon Pond, Rangeley.....	8,000
Varnum Pond, Industry.....	4,000
Four Ponds	2,000
Sweets Pond, New Vineyard.....	1,000
Lake Webb, Weld.....	10,000
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	41,500

The legislature of 1907 appropriated \$10,000 to be expended to equip this hatchery for a feeding station, in order to keep the fish, or as many of them as possible, until they are one and two years old, before planting. We have purchased twenty-five hundred feet of 12-inch pipe, in order to take the water directly from deep water in Rangeley Lake to the feeding pools and hatching troughs. This pipe cannot be laid advantageously until the ice has formed in the lake. We expect to lay the pipe this winter and then on the additional volume of water this pipe will supply in the early spring, construct additional pools and thus be enabled to feed a large number of fish until they are one and two years old.

ENFIELD HATCHERY.

CHARLES E. DARLING, Supt.

Number of lake trout eggs taken fall of 1906.....	325,000
Loss in hatching	29,382
Number of fish distributed.....	295,618

The fish from this hatchery were planted in the following waters:

Cold Stream Lake, Enfield.....	295,618
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This hatchery is of small capacity for feeding fish, but is located in a very desirable locality.

The water from Cold Stream Lake, the tributary of which supplies the water for this hatchery, is of the best to raise fish.

There should be a sufficient amount of money appropriated to erect a new and modern hatchery there.

The people in that locality, Enfield, would gladly aid in this to a considerable extent.

Penobscot county is otherwise without a fish hatchery, and the capacity of this one for modern fish culture is too small to count for more than simply hatching the eggs.

Number of landlocked salmon eggs taken fall of 1906,	140,000
Loss in hatching.....	24,492
Loss of fry during summer.....	14,425
Number of fish distributed.....	101,083
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	140,000

The landlocked salmon from this hatchery were planted in the following waters:

Cold Stream Lake, Enfield.....	101,083
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BELGRADE HATCHERY.

B. E. TARR, Supt.

Number of trout eggs taken fall of 1906.....	522,000
Number of eggs hatched.....	470,000
Loss in hatching.....	52,000
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	522,000
Loss during summer.....	71,500
Number of fish distributed.....	390,000
Number of fish on hand.....	8,500
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	470,000

These trout were planted in the following waters:

Robbins Brook, Kennebec county.....	120,000
Turner Brook, Kennebec county.....	90,000
Meadow Stream, Kennebec county.....	90,000
Great Lake, Kennebec county.....	60,000
Cove Brook, Kennebec county.....	30,000
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	390,000

Number of salmon eggs received at this station from other hatcheries:

From the U. S. Hatchery, Green Lake.....	75,000
From the Sebago Lake Hatchery.....	35,000
From the Auburn Hatchery.....	32,000
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	142,000

Loss in hatching.....	3,650
Loss during summer.....	57,350
Number on hand.....	30,000
Number planted.....	51,000

The fish from this hatchery were planted in the following waters:

Swan Lake, Waldo county.....	10,000
East Pond, Somerset and Kennebec counties.....	5,000
Hymes Pond, South Brewer.....	3,000
Nicatous Lake, Penobscot county.....	5,000
Lake Embden, Somerset county.....	3,000
Beech Hill Pond in Otis, Hancock county.....	5,000
Lakes in Hartland.....	10,000
Lakes in Dexter.....	3,000
Lakes in Solon.....	2,000
St. George Lake.....	5,000
	51,000

MOOSEHEAD HATCHERY.

JOHN VALANCE, Supt.

This hatchery was originally built in 1901, and in successful operation, but was entirely destroyed, together with the dwelling house, ice houses and stable, by fire in the forenoon on March 11th, 1907.

Mr. Abial Wilkins was superintendent and Mr. Arthur L. Hersey assistant.

The dead bodies of both were discovered in the ruins after the fire, with unmistakable evidence that both had been shot.

A coroner's jury was at once impaneled, which, after listening to all evidence obtainable, decided, in substance, that Mr. Wilkins shot Mr. Hersey in the hatchery, set fire to the buildings and then shot himself. There had been no trouble between these two men prior to this occurrence and, if the verdict of the jury is correct, Mr. Wilkins undoubtedly was suddenly taken insane. There seems to be no other reasonable explanation of it, as he was a genial, kind-hearted man naturally.

All the eggs in process of hatching were destroyed. The buildings were insured for \$2,500 which was promptly paid. The legislature, then in session, promptly passed resolves appropriating the amount of the insurance, together with \$2,000 additional, to rebuild the hatchery.

The contract for rebuilding it was awarded to John F. Harri-man, after public notice for competitive bids, he being the lowest bidder.

This new hatchery was completed in season to put in operation in the early fall and will be operated to its fullest capacity.

We have taken 10,000 trout eggs there this last fall. We have 3,000 trout and 1,000 landlocked salmon in this hatchery two years old, saved from the fire.

MONMOUTH HATCHERY.

W. A. WHITING, Supt.

Number of trout eggs taken fall of 1906.....	52,000
Number received from Carolina, R. I.....	175,000
	227,000
Number hatched	196,000
Loss in hatching and during summer	88,300
Number of fed fish distributed fall of 1907.....	131,700
Now in hatchery	7,000

The trout from this hatchery were planted in the following waters:

Lake Cobbosseecontee	2,000
Lake at Livermore Falls.....	5,000
Clearwater Pond, Farmington.....	5,000
Little Concord Pond, Oxford county.....	5,000
Estes Lake, Sanford.....	10,000
South Pond, West Paris.....	5,000
Big Concord Pond, South Paris.....	5,000
Bartlett's Brook, York county.....	8,000
Moose Pond, Cumberland county.....	5,000
China Lake, Kennebec county.....	7,000
Twelve Mile Stream, Burnham.....	5,000
Cobbosseecontee Lake	25,000
Pond in Rockland.....	200
Great Works Stream.....	5,000
Three Cornered Pond, Kennebec county.....	1,000
Garland Pond, Foxcroft.....	1,000
Cathance Lake, Washington county.....	3,000
Blunt's Pond, Ellsworth.....	5,000
Fenderson Brook, York county.....	2,500
Pond in Bar Harbor.....	5,000
Boyden Brook, Washington county.....	1,250

Lake in Columbia Falls.....	1,250
Lake in Mt. Vernon.....	1,000
Hayden Lake, Somerset county.....	5,000
Washburn Pond, Piscataquis county.....	1,000
Delivered to Harrie Coe, of M. C. R. R. office.....	4,000
Delivered to F. A. Nichols.....	1,000
Webber Pond, Kennebec county.....	2,000
Lake in Waldo.....	500
Year old trout planted:	
Lake in Camden.....	250
Cobbosseecontee Lake	8,650
Maranacook Lake	500
Lake in Milford.....	600
Number of landlocked salmon eggs received.....	137,000
Received from Auburn Hatchery.....	92,000
Received from Raymond Hatchery.....	45,000
Number hatched	125,000
Loss of eggs in hatching and of fry during summer	36,000
Number distributed	101,000
These fish were planted in the following waters:	
Long Pond, Androscoggin county.....	3,000
Three Cornered Pond, Kennebec county.....	3,000
Sebec Lake, Piscataquis county.....	10,000
Ossipee Lake, York county.....	5,000
Bog Pond, Washington county.....	10,000
Cathance Lake, Washington county.....	7,000
Boyden Lake, Washington county.....	5,000
Lake in East Machias.....	10,000
Lake near Columbia Falls.....	5,000
Molasses Pond, Hancock county.....	3,000
Tunk Pond, Hancock county.....	8,000
Lambert Lake, Washington county.....	5,000
Long Pond, Bar Harbor.....	3,000
Delivered to Harrie Coe, Office of M. C. R. R. Co...	6,000
Planted in lakes on Megantic Preserve.....	12,000
Little Concord Pond, Oxford county.....	1,000
Lake near Bryant's Pond, Oxford county.....	2,000
Webber Pond, Kennebec county.....	2,000
Pleasant Pond, Somerset county.....	1,000

Year old landlocked salmon planted:

Maranacook Lake	400
Cobbosseecontee Lake	3,600
Number of togue eggs received from U. S. Govt., from Northville, Mich.....	200,000
Number hatched	194,500
Loss of eggs in hatching and fry during summer....	8,000
Number of fish planted.....	192,000
These fish were planted in the following waters:	
Wilson Pond, Wilton.....	10,000
Clearwater Pond, Allen's Mills.....	10,000
Lake Cobbosseecontee	93,000
Green Lake, Hancock county.....	75,000
Crotched Pond, Kent's Hill	2,000
Flying Pond, Mt. Vernon.....	2,000

These were planted soon after hatching, as it was found impossible to keep them.

It will be noticed that the fish from this hatchery were widely distributed—in several counties. This, not because the near-by waters did not need them but because there was no other source from which to supply the fish to plant in many other waters.

The good results from planting fish from the hatcheries are plainly evident in more than a thousand lakes, ponds and streams. Only in this way can a supply of fish be kept in our waters.

The number of people who fish is constantly increasing, not only of residents of the State but of non-residents, who come here to spend a vacation.

The cost does not seem to count for much among the great majority of these people, provided they can catch fish.

We are convinced that for every dollar that the State expends in restocking its lakes, ponds and streams, many fold is returned to the people of the State, in one way and another, by those who come here from other states, and the profits to the people of the State on account of our fish hatcheries are very large.

We have found it impossible to supply all the real needs of our people in planting fish. The calls have been long, loud and insistent. We have earnestly endeavored to distribute the product of the hatcheries as equitably and fairly, in all sections of

the State, as we know how, having a regard to the adaptability of the waters to be stocked.

It is not pleasant to be obliged to "turn down" any applicant or not plant as many fish as the applicant requests. We are obliged to do this to a certain extent, however.

We earnestly wish our hatcheries were numerous enough, and of sufficient capacity, to plant all the fish each year—not that might be asked for (for not infrequently we have a request to plant in a given pond, fifty, seventy-five or a hundred thousand when a few thousand yearly for a series of years is far better policy) but a reasonable number, in order to insure a fair supply of fish in the waters.

The State is now better prepared to do this in the future than ever before.

A new and modern hatchery has been erected at Lake Moxie, in Somerset county, very near the line of the extension of the Somerset Railroad from Bingham to Moosehead Lake, and is now in successful operation. The legislature appropriated for this purpose \$6,000 half of which was available this year and the other half in 1908. The hatchery was built by John F. Harri-man, he being the lowest bidder for the work.

The hatchery has been built on the same general plan as the others erected in recent years. There are about one-half of the bills due for its construction yet to be paid out of the 1908 appropriation for this purpose. This hatchery will supply a long-felt want—for supplying the waters of Somerset county with fish to restock the waters there, and, to a considerable extent, will relieve the strain and drain upon the Monmouth Hatchery.

BIG GAME AND BIRDS.

The small bird shooting has been practically a failure in most sections of the State, while the supply of ducks seems to have been quite up to the average.

There have been no indications of the return to the State of caribou. So far as reported but one has been seen in the State during the year.

MOOSE.

The moose appear to be "holding their own," possibly increasing. The cow moose should increase of course, inasmuch as it is unlawful to kill one of them at any time. The number of moose reported illegally killed during the year is eighty-one. It is claimed that several of these were shot, not by design but by mistake. In some instances we are convinced that this is so. The total number of bull moose legally killed, as near as we can get at it, is 305. This number, with eighty-one reported illegally killed, makes the total of 386 killed this year.

DEER.

There have been a less number of deer taken this year than were taken last year. It is undoubtedly true that in various localities they have been more plentiful than in years, but taking the State as a whole the majority of the commissioners are of the opinion that they are considerably less in numbers than for several years. Or, in other words, that the deer are decreasing. Many reasons are advanced why this is so, most or all of them good ones in a way, such as the "scarcity of food," "hard, severe winters," "migration like the caribou," "wildcats, lynx, bears and foxes destroying them," etc., etc. Possibly all of these have, to a certain extent, contributed. Taking into consideration the

number of moose known to have been illegally slaughtered, is it not fair to presume that as many deer proportionately have likewise been illegally slaughtered? If this is so, then the number illegally killed has been large.

The carrying of firearms into the woods in close season by campers, tourists, workmen in the lumber camps, fishermen and others, we are convinced is a prolific source of slaughter of deer in close season. From the best available sources we estimate that about 15,000 deer have been killed this year legally and illegally. Of the 1,134 guides who made any report regarding the matter of the number of deer in the State, 562 reported a less number, 191 reported that they were more plentiful and 381 reported that they were about the same in numbers, but of the latter number these were largely guides who guide in fishing and not in hunting.

We have endeavored to study the situation and the conditions with care, and shall endeavor to do so during the coming year, in order to be able if possible to present the situation in its true light to the next legislature.

We are convinced that the law enacted by the last legislature, requiring unnaturalized residents, who had not resided in the State two years prior to its enactment, and do not pay any taxes on real or personal property, is a step in the right direction for better bird and game protection. We are convinced that this law and its rigid enforcement has worked well and is a good law; as has the law limiting the number of deer to six in number in one season to a lumber camp. Twenty-two guns have been seized under the resident alien law, and will be sold at auction, as provided by law, January 7th at Bangor.

The record of Fish and Game Legislation of the last legislature is a brief one, excepting that of private and special laws relating to fishing.

Attention is now being directed less to changes in the general law and more and more to strengthening the administration of the laws. Of the forty-one states and territories which have held legislative sessions this year, all but two made changes in their game laws. As an illustration of the general interest in game protection it may be noted that the subject was referred to in the President's Message (1906) and in the message of the governors of thirteen states and territories. The President in

his message renewed his recommendation to Congress concerning the protection of game on the forest reserves and urged the establishment of game refuges for the preservation of big game.

Additions and amendments to license laws formed one of the most prominent features of the legislation of the year in the various states.

GUIDES.

1,983 residents and 25 non-residents have been registered as guides during the year. Their reports show that they guided 14,063 different persons, and were employed 84,378 days. At \$3.50 per day, about the average price per day, and board would amount to \$295,383.00.

HUNTERS AND TRAPPERS OF FUR BEARING ANIMALS.

222 have been licensed to hunt and trap the fur bearing animals on the wild lands of the State. We have reports from 108 of these, which show the following list of wild animals captured: Sable 180, fisher 296, mink 286, foxes 319, weasels 278, otter 38, raccoons 30, skunks 17, bears 49, lynx and wildcats 19, ermine 12, muskrats 286.

SPORTING CAMPS.

We have issued licenses to 131 persons, or copartnerships, to keep places of resort for fishermen or hunters. They report that they have entertained 13,000 different guests. They report having consumed 390 deer, purchasing 104 of this number.

DEALERS IN DEER SKINS.

110 have been licensed to purchase deer skins. They report they have purchased 4,884 skins, a falling off from last year of about 3,000 skins.

MARKETMEN.

Thirty-nine marketmen have been licensed to retail deer meat, who report that they have sold 234 deer to their local customers.

TAXIDERMISTS.

Twenty-six taxidermists, and three to take birds, their nests and eggs, for scientific purposes, have been granted licenses.

NON-RESIDENTS.

We have issued 388 licenses to non-residents to hunt prior to October 1st. Ninety of these paid \$10.00 additional, after October 1st, and were issued licenses to hunt after October 1st. We have issued 1,943 additional licenses to hunt to non-residents after October 1st. This is a falling off of 45 from last year.

FINANCIAL STATEMENT.

Received from guide's licenses.....	\$2,483 00
Received from 222 trappers' licenses.....	1,110 00
Received from 131 sporting camp licenses.....	655 00
Received from 110 dealers in skins' licenses.....	665 00
Received from 39 marketmen's licenses.....	113 50
Received from 26 taxidermist's licenses.....	130 00
Received from 3 licenses to take birds, etc.....	15 00
Received from licenses to ship fish and game.....	1,374 00
Received from non-resident hunting licenses.....	30,929 70
Received from unnaturalized foreign-born resident hunting licenses	277 00
Total amount received from all licenses.....	\$37,752 20
Received from miscellaneous fines, meat seized and sold, beaver skins	5,181 12
Total receipts from all sources	\$42,933 32

This has been paid to the State Treasurer, and is available for bird and game protection next year.

We have available at the commencement of the year:

Appropriation for fish hatcheries and protection of fish....	\$25,000 00
Fines and licenses collected last year	42,933 32
Total	\$67,933 32

Following is an itemized account of expenditures:

L. T. Carleton, Chairman, traveling expenses.....	\$ 592 00
J. W. Brackett, Commissioner, traveling expenses.....	483 17
Edgar E. Ring, Commissioner, traveling expenses.....	210 37
Chas. W. Curtis, clerical services.....	199 69
M. H. Hodgdon, paid out for clerical help and office expense	423 01
W. E. Berry, Gen. Supt. Hatcheries.....	983 41
Sebago Hatchery, C. L. Floyd, Supt.....	1,615 96
Lake Auburn Hatchery, J. F. Stanley, Supt.....	1,788 44
Monmouth Hatchery, W. A. Whiting, Supt.....	2,023 51
North Belgrade Hatchery, B. E. Tarr, Supt.....	1,631 15

Caribou Hatchery, Grant Hinds, Supt.....	2,026 57
Moosehead Lake Hatchery, John Valance, Supt.....	1,508 11
Enfield Hatchery, Chas. E. Darling, Supt.....	772 05
Rangley Lake Hatchery, Arthur Briggs, Supt.....	1,326 55
Legal services, to various attorneys.....	409 11
Extra clerk hire.....	192 73
Damage to crops by deer, paid various parties.....	944 04
B. B. Jones, care of fish weir, Sebago Lake.....	355 94
D. L. Cummings, warden service.....	1,162 32
Western Union Telegraph Company.....	46 96
Walter I. Neal, warden service.....	1,332 23
W. T. Pollard, warden service.....	1,372 99
H. O. Templeton, warden service.....	1,122 23
F. J. Durgin, warden service.....	1,406 32
D. B. Swett, warden service.....	92 00
Geo. U. Dyer, warden service.....	598 12
W. B. Getchell, hatchery plans Lake Moxie.....	12 80
Postal Telegraph Company.....	16 34
D. F. Brown, warden service.....	1,075 73
Plymouth Trout Brook Co., trout eggs.....	50 00
C. N. Blanchard, posting notices.....	2 50
M. C. Morrill, warden service.....	776 33
John P. Parks, warden service.....	271 40
A. A. Crafts, Acct. Moosehead stable, at hatchery.....	168 10
J. H. Merrill, special service Lake Cobbosseecontee.....	55 20
F. W. Austin, warden service.....	1,129 52
F. E. Jorgensen, warden service.....	1,375 59
F. W. Thompson, warden service.....	626 32
H. T. Silsby, warden service.....	858 60
H. E. Pierce, warden service.....	923 01
D. W. Stanley, warden service.....	957 63
E. H. Lowell, warden service.....	872 67
Irving W. Hamilton, warden service.....	647 67
H. E. Redmond, warden service.....	1,221 21
Geo. M. Esty, warden service.....	755 40
George E. Cushman, warden service.....	629 61
F. M. Perkins, warden service.....	1,103 93
Maine Telephone Company.....	40 24
W. H. Hart, warden service.....	881 50
E. M. White & Co., canoes for wardens.....	95 00
Geo. G. Clouse, warden service.....	7 00
Underwood Typewriter Co., supplies.....	5 50
E. R. Twombly, work on fishways.....	68 00
F. H. Clark, warden service.....	805 47
Mooshead Lake Sanitorium, use of road to hatchery.....	60 00
Northeastern Telephone Company.....	3 75
Peter Shaw, warden service.....	570 35
New England Telephone and Telegraph Co., Augusta.....	107 81

Offin Hackett, warden service.....	764 76
Alfred Clark, warden service.....	520 65
M. P. Kneeland, warden service.....	1,256 20
A. M. Jones, warden service.....	394 85
Lewiston, Greene and Monmouth Tel. Co.....	16 02
Major Lowe, warden service.....	396 15
Pearl Hackett, warden service.....	776 35
John L. Parker, warden service.....	216 25
A. F. Green, warden service.....	16 00
C. E. Hanson, warden service.....	86 40
E. W. Ward, warden service.....	576 87
H. C. Ellis, warden service.....	478 82
Geo. M. Durgin, warden service.....	84 00
Nathan Paul, warden service.....	25 00
A. S. Bisbee, warden service.....	64 05
J. D. Ring, warden service.....	77 80
M. C. Morrison, warden service.....	345 50
C. E. Griffin, posting notices.....	5 00
Geo. A. Leighton, warden service.....	4 00
P. H. Coombs, fishway plans.....	133 55
A. M. Tarr, warden service.....	938 23
Elmer E. Estabrook, warden service.....	889 75
C. H. Southard, warden service.....	765 55
Geo. H. Woodbury, warden service.....	193 40
O. E. Stanley, horse Monmouth Hatchery.....	12 25
Walter N. Joy, warden service.....	7 60
Charles S. Adams, warden service.....	1,149 31
Jos. Michaud, warden service.....	167 50
T. A. Seamans, warden service.....	858 37
P. R. Hussey, warden service.....	785 40
S. M. Woodward, warden service.....	1,174 09
Geo. W. York, Treas. M. C. R. R., mileage	427 50
John W. Shephard, warden service.....	38 30
Katahdin Pulp and Paper Co., supplies to wardens' camps.....	27 24
Ira R. Gardner & Sons, supplies to wardens' camps.....	363 91
Geo. W. Merrill, office supplies.....	30 75
B. A. Swazey, posting notices.....	5 00
Earl S. Norcross, mounting specimens for office.....	8 00
F. S. Hunnewell, supplies for Moxie Hatchery	147 64
J. R. Bradstreet	14 08
Horton Mfg. Co., supplies.....	5 00
S. P. Havey, special services.....	68 13
Maine Motar Carriage Co., transporting commissioners....	30 00
M. C. Linnell, warden service.....	22 00
Walter D. Hinds, mounting specimens for office.....	52 00
Charles Brown, warden service.....	111 10
Amos Ellis, hauling fish Rangeley Hatchery.....	40 00

Fish and Game Laws.....	500 00
Printing and advertising.....	347 41
R. T. Rankin, warden service.....	5 00
H. H. Jewell, warden service.....	17 50
O. E. Wilson, warden service.....	169 30
J. E. Bowden, warden service.....	294 61
Oscar E. Bowers, warden service.....	860 34
C. A. Hale, warden service.....	37 50
J. H. Stuart & Co., maps.....	6 45
R. C. Jackson, services.....	170 75
J. H. Ruth, warden service.....	123 65
S. L. Crosby Co., mounting specimens for office.....	74 50
American Express Company.....	27 00
Rice & Millery, supplies for Moosehead Hatchery.....	27 95
J. R. Pollard, warden service.....	41 94
Burt Lane, warden service.....	2 26
Watson N. Joy, warden service.....	61 00
Oliver C. Adams, warden service.....	87 00
Smith Premier Typewriter Co., typewriter.....	97 14
G. F. Lane, warden service.....	44 60
Edson Locke, supplies.....	38 55
Colin McRitchie, warden service.....	804 05
T. B. Davis Arms Co., revolvers for wardens.....	134 16
G. Lewin, warden service.....	77 00
Lowell E. Ward, warden service.....	357 39
A. M. Warren, warden service.....	147 50
Frank Russell, warden service.....	224 25
J. D. Finnegan, warden service.....	94 00
J. J. Lander, supplies for Moxie Hatchery.....	171 09
Brackett & Andrews, lumber.....	19 26
Joseph Cloutier, warden service.....	186 13
O. E. Littlehale, warden service.....	144 00
Charles Brown, warden service.....	89 40
Xavier Cyr, warden service.....	30 00
Geo. W. Ross, warden service.....	781 41
F. A. Willis, warden service.....	600 00
B. J. Woodward, warden service.....	579 72
C. E. Hanson, warden service.....	33 50
Frank Turtlott, warden service.....	597 65
Jacob Bagley, warden service.....	455 90
P. M. Kane, warden service.....	21 00
Burrows Adding Machine Company.....	340 07
Thos. Mullen, freight.....	4 46
Lovell Fish & Game Assn., for warden service.....	60 00
J. J. Dearborn, posting notices.....	25 00
H. W. Stevens, labor.....	43 16
J. W. Pike & Co., lobster for mounting.....	5 00
A. W. Byron, warden service.....	124 50

American Fish Culture Co., eggs.....	171 00
Norcross & James, mounting specimens for office.....	21 25
P. M. Tripp, mounting specimens for office.....	30 00
Willis Dillingham, rent of camp for wardens.....	10 00
A. L. Spearing, warden service	13 00
A. B. Philbrick, warden service.....	5 00
Bath Auto. & Gas. Engine Co., gasoline for wardens.....	21 16
Henry Horne & Co., office specimens.....	10 95
Banogr & Aroostook Co., mileage	140 00
E. N. About, moose meat sold, money refunded.....	20 80
W. S. Stewart, labor.....	17 88
L. R. Hussey, labor.....	52 00
Neostyle Co., office supplies.....	3 50
P. E. Frost, board of wardens.....	13 70
Leon G. Brown, seized game, money refunded.....	20 00
James G. Wentworth, mounting specimens for office.....	25 00
A. H. White, deer for State park.....	10 00
W. L. Farmer, warden service.....	298 45
Roy H. Flynt, use of canoe for wardens.....	4 40
Hoyts Express	4 10
J. Waldo Nash, mounting specimens for office.....	10 00
A. P. Raggio, translating posters	25 00
B. Domenico, warden service.....	157 65
Combined Tool Co., office supplies.....	9 25
B. F. Spencer, warden service.....	97 25
Geo. F. Thomas, warden service.....	64 00
B. C. Torsey, team hire, for warden.....	4 00
J. M. Moulton, use of boat for warden.....	2 50
H. H. Kingman, warden service.....	30 60
C. R. Miller, use of camp for warden.....	12 00
O. I. Stone, fitting locks in office.....	9 85
R. W. McGuire, warden service.....	67 00
L. R. Oliver, warden service.....	152 00
Rosie Bros., supplies to wardens.....	28 42
H. L. Thomas, warden service.....	56 00
C. E. Chase, supplies for office.....	20 00
J. C. Mead, warden service.....	35 00
Neale Crosby, amt. of fine overpaid	60 00
G. M. Colburn, blowing beaver dam.....	5 00
M. S. Gordon, warden service.....	40 00
A. R. Clark, taking eggs.....	12 00