

TABLE NO. 11—CONTINUED.

Counties	Adams		American		Wells Fargo	
	Miles	Value	Miles	Value	Miles	Value
Madison	12.379	346.61	21.400	684.80	19.406	545.05
Mahaska	73.817	2,066.88	85.400	2,732.80		
Marion	40.007	1,130.29	43.540	1,353.28	29.800	1,022.00
Marshall	65.745	1,840.86	25.990	831.68	56.808	1,390.62
Mills	75.737	2,120.64			25.960	726.88
Mitchell			30.650	980.80	43.935	1,230.18
Monona			86.170	2,757.44	27.530	770.84
Monroe	63.191	1,766.83	15.690	501.12	33.111	927.68
Montgomery	48.427	1,355.90				
Muscatine	7.720	216.16	121.230	3,879.36	32.510	911.12
O'Brien			72.500	2,320.00	24.020	672.56
Osceola			57.000	1,843.20		
Page		2,287.60			27.010	1,680.28
Palo Alto	20.490	573.72	30.030	900.96	24.340	681.52
Plymouth			72.830	2,330.55	15.000	420.00
Pocahontas	16.740	468.72	63.350	2,027.20	11.010	308.28
Polk	30.258	848.34	116.994	3,740.33	106.242	2,974.77
Pottawattamie	17.590	492.24	105.520	3,376.64	72.533	2,030.92
Poweshiek	36.593	1,024.61	59.430	1,901.44		
Ringgold	55.910	1,565.48			33.899	669.17
Sac			88.380	2,825.16	19.150	536.20
Scott	24.790	694.12	96.220	3,079.04	70.050	1,978.20
Shelby			38.84	1,243.88	56.884	1,592.75
Sioux			74.23	2,375.36	54.950	1,538.60
Story	19.476	545.33	96.183	3,077.86	24.060	690.48
Tama			96.070	3,074.24	41.980	1,175.61
Taylor					5.779	161.81
Union	43.443	1,216.40			22.596	632.60
Van Buren	42.050	1,177.40	38.150	1,220.80		
Wapello	36.723	748.25	37.090	1,306.08	50.970	1,427.16
Warren	56.492	1,561.76	39.690	1,276.16	15.787	443.04
Washington	38.613	1,081.16	63.670	2,037.44	39.200	733.60
Wayne	36.733	1,029.08	42.420	1,357.44	14.960	418.88
Webster	67.680	1,866.04	117.010	3,744.32	43.482	1,217.50
Winnebago	20.929	585.76	37.640	1,294.48		
Winnebuck			24.000	768.00	38.720	1,044.16
Woodbury	2.500	70.00	100.400	3,212.80	39.050	1,093.40
Worth	13.871	388.39	20.580	658.56	27.927	781.65
Wright	15.612	437.14	68.800	2,204.48	45.688	1,279.26
Totals	2,290.867	\$ 64,142.60	\$ 866.545	\$155,729.45	3,126.795	\$ 96,556.29

## GREAT NORTHERN.

Lyon	18.420	\$ 515.76
Plymouth	25.290	708.12
Sioux	27.300	764.40
Woodbury	6.850	191.80
Totals	77.860	\$ 2,180.08

The taxable value per mile was fixed as follows: Adams Express Company, \$28.00; American Express Company, \$32.00; Great Northern Express Company, \$28.00; Wells Fargo & Company, Express, \$28.00.

## State of Iowa

1918

## REPORT OF THE STATE

## Fish and Game Warden

FOR THE

Biennial Period, Ending June 30, 1918

E. C. HINSHAW, WARDEN

SPIRIT LAKE

PUBLISHED BY  
THE STATE OF IOWA  
DES MOINES



Two Spirit Lake Chums. A fine pair of wild Mallard Ducks always near each other even when nesting, within fifteen feet of fish hatchery building at Spirit Lake.

#### LETTER OF TRANSMITTAL

---

HON. WM. L. HARDING.

SIR—In conformity with law, I herewith submit the twenty-third Biennial Report of the Department of Fish and Game, covering the period from July 1, 1916, to July 1, 1918.

E. C. HINSHAW,

*State Fish and Game Warden.*

Spirit Lake, Iowa, Oct. 1, 1918.

## FISH AND GAME DEPARTMENT.

State Fish and Game Warden ..... E. C. Hinshaw, Spirit Lake

### ASSISTANTS.

Nelson, Lars P., Aurelia  
Albert, W. E., Lansing  
Hobson, Chas., Clarinda  
Ramsey, J. M., Clarksville

Roe, W. Allen, 1167 W. 27th St., Des Moines  
St. John, R. T., Riceville  
Waterhouse, J. E., Charter Oak  
Wooley, Ed, Keokuk

### DEPUTY WARDENS.

Armstrong, J. J., Mt. Ayr  
Atkinson, H. J., Red Oak  
Bauer, Theo., Dubuque  
Ballou, W. C., Independence  
Babcock, A. C., Sabula  
Bucknell, B. E., Decorah  
Bever, N. J., Ft. Madison  
Benton, Wm., Cedar Falls  
Brown, Fred, Sibley  
Breitenbach, E. L., Keota  
Castle, A. R., Britt  
Christensen, A. C., Ruthven  
Coon, G. B., Albia  
Doolittle, Lee, Ames  
Eyer, D. H., Clarion  
Elerick, W. S., Keosauqua  
Folck, James M., Onawa  
Fuller, D. F., Storm Lake  
Fisher, E. B., Troy Mills  
Gordon, W. A., Seymour  
Gordan, R. W., Belle Plaine  
Hall, T. L., Glenwood  
Heffelfinger, J., Grundy Center  
Hartsough, P. L., Oelwein  
Hinshaw, L., Arnolds Park  
Hodson, L. C., Indianola  
Johnson, Herman, Doon  
Klauer, Frank W., Davenport  
Lake, C. G., Chester

Lang, J. A., Algona  
Lancaster, T. J., Maquoketa  
Louden, J. D., Creston  
Martin, H. E., Iowa Falls  
Monplasure, R. P., Mason City  
Metcalf, Chas., Albia  
Miltrope, Clint, Chariton  
Nelson, D. N., Spirit Lake  
Nieman, F. D., Avoca  
McGarry, Wm., Lansing  
Olson, Oscar, Eagle Grove  
O'Brine, S., Kenwood Park  
Patterson, A. N., Burlington  
Preussner, L. C., Manchester  
Payton, Geo., Centerville  
Palmer, D. V., Lake Park  
Reichman, H. F., Keokuk  
Schroeder, J. C., Emmetsburg  
Stanley, L., Adel  
Smith, Chas. A., Sioux City  
Smith, W. J., Council Bluffs  
Sandham, Fred, Rockwell City  
Tierney, J. L., Clinton  
Wiland, O. P., Harlan  
Willis, Earl J., Riceville  
Wright, Jas. M., Menlo  
Wilson, O. I., Charles City  
Wilson, H. W., Audubon

## REPORT OF THE FISH AND GAME WARDEN

In submitting this report to the public, and for the consideration of the next legislature, we believe attention should be given the improvements accomplished during the past five years, and improvements under construction to be completed during the next two years.

April 1, 1913, the only property belonging to the Fish and Game Department for the propagation of fish and game, or their distribution, was an old fish car which was practically useless, which was sold for junk for \$300.00, and the present original fish hatchery site at Spirit Lake, but there was no hatchery equipment, and no fish had been hatched there for about twenty years. Since 1913, the department has purchased twenty-five additional acres adjoining the old hatchery grounds, has built a modern brick hatchery building, new cottage for attendant, and completed about one-half of the excavating on the new ground which is being made into fish ponds.

A new modern fish car was purchased, which was the best money could buy.

Two new hatchery and rescue stations built at Sabula and Lansing. Cuts shown elsewhere in this report.

A new modern game farm established and equipped. Cuts shown in this report.

A number of permanent dams have been built, at the outlet of lakes, and at the present time the actual value of property and equipment belonging to the Fish and Game Department is about \$200,000.00.

The improvements under construction to be completed are, the hatchery ponds at Spirit Lake, estimated cost \$20,000.00, and the building of dams at outlet of lakes, \$40,000.00. With this work completed Iowa will have some of the best equipment in the United States for propagation of fish and game, and every lake in the state will have a permanent dam to hold the water level up and prevent them from drying up.

It costs money to build these improvements, and it costs money to run and maintain them. It is useless to undertake to keep the waters

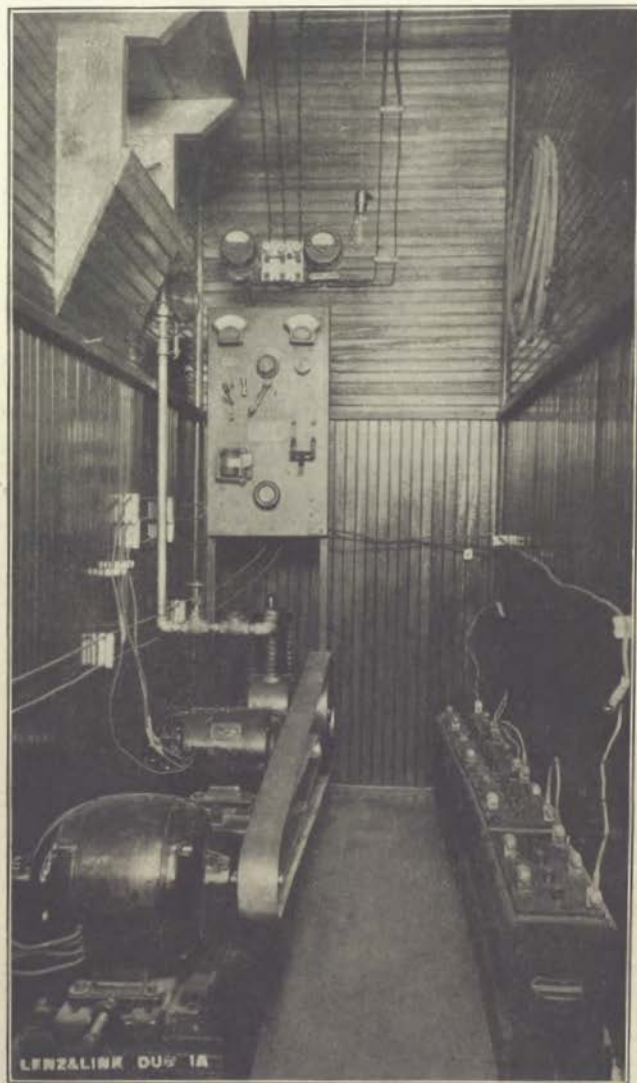


stocked with fish and the covers stocked with birds, unless there is some protection from the lawless hunter and fisher. Therefore, we must have wardens to protect them. If we are to get the benefit of these improvements and protect the fish and game, the department must have at least \$100,000.00 per year, or a large per cent of the value of these improvements will be of no avail.

#### THE NEW GAME FARM.

In April, 1913, we established a game farm on the State Fair grounds at Des Moines. This was an experiment, and was built on a small scale. Game farming was new, and we wanted to determine two things; first, would the birds, such as can be raised in captivity, increase and thrive in Iowa? Second, could they be raised cheaper than they could be bought on the market? Our first two years' experience proved both points. They would thrive in Iowa, and could be raised for about one-half the market price. As soon as we were satisfied of the success of game farming, we made an attempt to secure a large farm. Our thought was that if a good farm could be purchased adjoining the Ames College farms, and an educational feature be added, it would be a wonderful help to both this department, and to the farmers, as well as the college. We were not successful in bringing this about on account of the opposition that developed; however, we are still of the opinion that with the proper co-operation a farm of this kind would be a wonderful success. New York state established just such a farm last year in connection with their State College, and we look for them to get the credit for being pioneers in this work, which in time will become general.

We have moved the game farm to the state farm at Clive and have leased about one hundred and fifty acres, at \$10.00 per acre, for a period of ten years. We have built new buildings, including a bungalow, helper's cottage and a barn. Put in our own water system and expect to fence the entire farm with a seven-foot fence, which will enable us to change fields with the birds and eliminate the danger of the ground becoming foul and diseased. The land will be farmed and a crop raised the same as if no birds were there. We have four head of blooded Holstein cows, one good team and a large number of chickens, and expect to make this farm self-supporting after the second year. Cuts of the new buildings, etc., will be found elsewhere in this report.



Lansing Hatchery and Rescue Station, engine room and equipment.

## IOWA LAKES.

In our last two reports we have presented arguments to show why all lakes belonging to the State should be preserved, pointing out the possibility of their improvement. At this time we have several examples of what can be done along this line.

Twin Lakes, in Calhoun County, and East Twin Lake, in Hancock County, are some of the first lakes where the water level has been raised by dams, and the lakes stocked with fish. No trouble has been experienced with the fish dying during the winter, although the past two winters have been very severe and thousands of tons of fish have died in similar lakes where they have not been improved.

The work of dredging at Medium Lake, at Emmetsburg, has been progressing nicely, and what was once a dirty, swampy slough is now a fine lake, with sand beaches. Fish are also doing nicely in this lake. The lake has been deepened to fifteen feet and will be a living monument to the enterprising citizens of Emmetsburg, as they started the work and have expended several thousand dollars which was donated by the citizens. The State has helped very materially, and it is our recommendation that the State take over the work and complete it.

It should not be necessary to use further arguments for the preservation and improvement of Iowa's lakes.

Elsewhere in this report will be found the improvements made during the past two years, and the sentiment of the people in these communities will assure the preservation of all waters owned by the state.

## THE CROW.

There has been considerable discussion the past few years concerning the crow. Some have argued that because the crow destroys a certain amount of insects, including the white grub, he should be protected. Other have pointed out that on account of the damage he does to bird life he should be destroyed.

After careful consideration of the arguments on both sides, we have made quite an extensive investigation of him and his habits; we find that the crow does destroy some insects, and when that is said all of the good qualities of the crow have been told.

To offset these qualities of the crow, we find there is no bird so destructive to other birds. He starts his destruction in the spring as soon as the first eggs are laid. We have found the eggs from a

quail's nest all destroyed, and the shells lying under a near-by fence post. The same thing has happened to prairie chicken nests, and practically all song birds, also wild ducks. After the young birds are hatched they keep up their destruction by destroying the young, until they are full winged.

No further proof is needed along this line than our trouble with these birds at the State Game Farm, where it requires constant watching to prevent the crows from taking all of the eggs in the open pens, and destroying the young game birds. As soon as we get one bunch of crows killed off, another bunch finds the eggs or birds, and without constant watching with a shotgun we would not be able to raise any birds at all. One day a single crow will find the place; early the next morning he will return with all his relatives and friends. Any man who has made a practical study of both sides of the question would hardly recommend the protection of this bird.

The largest financial loss caused by the crow comes from the fact that he likes to inhabit hog pastures and pens, and if the facts could be known there is no doubt but that he has caused millions of dollars' loss to the farmers by spreading hog cholera.

There is some agitation to start a nation-wide move to destroy the crow, and from our experience with him, we are heartily in favor of the move. He is too wise a bird to ever become extinct, but any move to reduce his numbers has our approval in the interest of conservation of useful birds.

## NATIONAL MIGRATORY BIRD LAW.

A new law has been enacted by Congress supporting the treaty with Canada. The rulings provide for an open season on migratory fowl from September 16th to December 31st, with some exceptions. Every hunter should acquaint himself with these rulings, which can be secured by addressing the Bureau of Biological Survey, Washington, D. C. The new State Game law books, which will be issued next spring, will give the Government law in full.

## RINGNECK PHEASANTS.

As we have explained in former reports, the pheasant has been making good progress. The last year has been the banner year. There are enough birds now that have been raised in the wilds so that the increase has been very noticeable. We have had more reports of these birds the last year than we had during the entire first



four years. In the next two years these birds will be in every locality of the state in such numbers as to be appreciated.

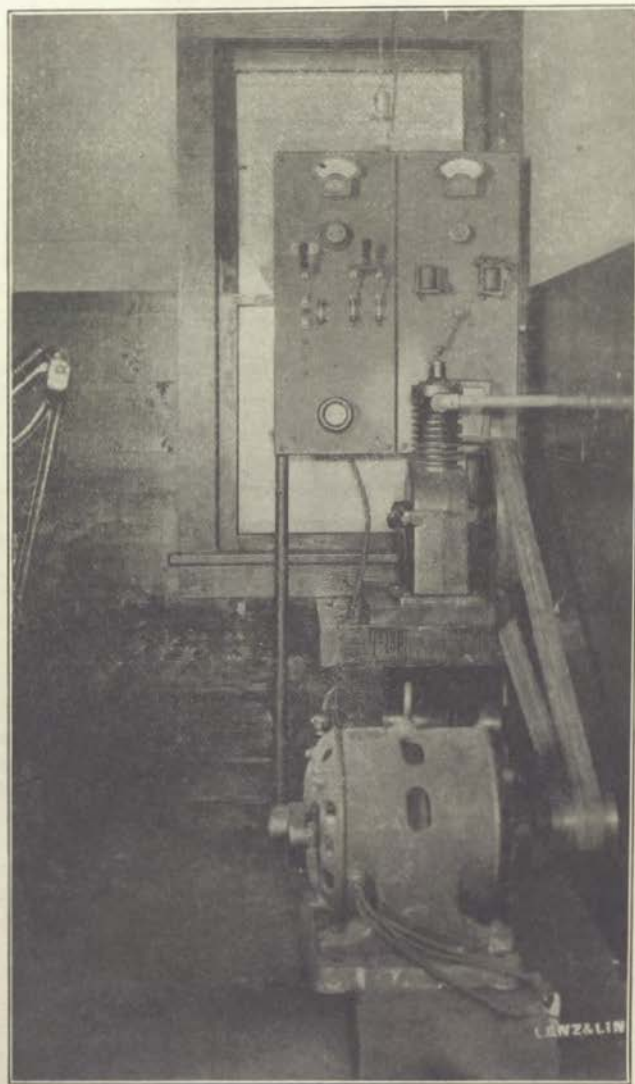
#### HUNGARIAN PARTRIDGE.

We liberated 5,450 Hungarian partridges in the spring of 1914. While these birds are very shy and keep well to cover, the reports show a wonderful increase. These birds resemble our native quail, except they are about twice as large, and much hardier, and have gone through deep snow and extreme hard winters, with no protection except a cornfield. When it is possible to secure more of these birds, we are strongly in favor of liberating at least 10,000 more.

#### BUFFALO FISH.

During the winters of 1916-1917 the method of catching buffalo fish in the big lakes with gill nets was tried out for the first time. It was soon discovered that this method was going to produce large quantities of fish. Buyers from New York appeared and contracted these fish for the eastern market. We took the stand that these fish belonged to the people of Iowa first, if they wanted them. We therefore notified the local contractors that they must supply the home trade first. We sent out a circular letter which was published in the papers, calling attention to these fish and giving prices. The result was that hundreds of people ordered and took advantage of these fish at less than wholesale prices.

In the fall of 1917, when the question of food became one of the important war measures, we arranged a plan to supply these fish direct to the people of the state at a price below wholesale price. Our plan was outlined and approved, and again we notified the people that fish were to be had. We took personal charge of all fish caught, and supplied over two hundred thousand pounds of buffalo fish to the people of this state. The surplus was shipped to eastern markets, but every home buyer was supplied that ordered them. It seems to be a very satisfactory way of handling these fish and in our opinion should be continued. However, there is a chance for a big loss in handling fish in such quantities. Had the January thaw lasted three days longer last winter we would have lost from three to four thousand dollars' worth of fish in one bunch, and only by the men employed to handle these fish working day and night and personally working two nights, were we able to save them. We had taken personal responsibility and invested our own money, and, while we ex-



Sabula Hatchery, engine room.

pect to handle the fish the same way while the war lasts or while the food situation is serious, we expect to protect ourselves against such a large possible loss. At the close of the season there was a small profit, partly invested in fish boxes and equipment which will be carried over for the business next year.

#### THE BULLHEAD.

Two years ago we called attention to the bullhead, saying that they were a very desirable fish for some waters, but were a menace to the big lakes on account of the large amount of small fish they destroy as well as the fish spawn. We recommended that the Fish and Game Department be authorized to take these fish and sell to the people of our state, which would eliminate a bunch of transient bums, I. W. W.'s, etc., that come to the summer resorts each year and fish for the bullhead market.

The catching of these fish could be handled by the residents and there would be no inducement for the undesirable element to remain. However, our experience with the buffalo fish business leads us to change our mind, in so far as state control is concerned. It is too difficult an undertaking and too uncertain a business to be handled by the state, and we recommend that the bullhead be classed and named with the buffalo, in so far as the large lakes of the state are concerned.

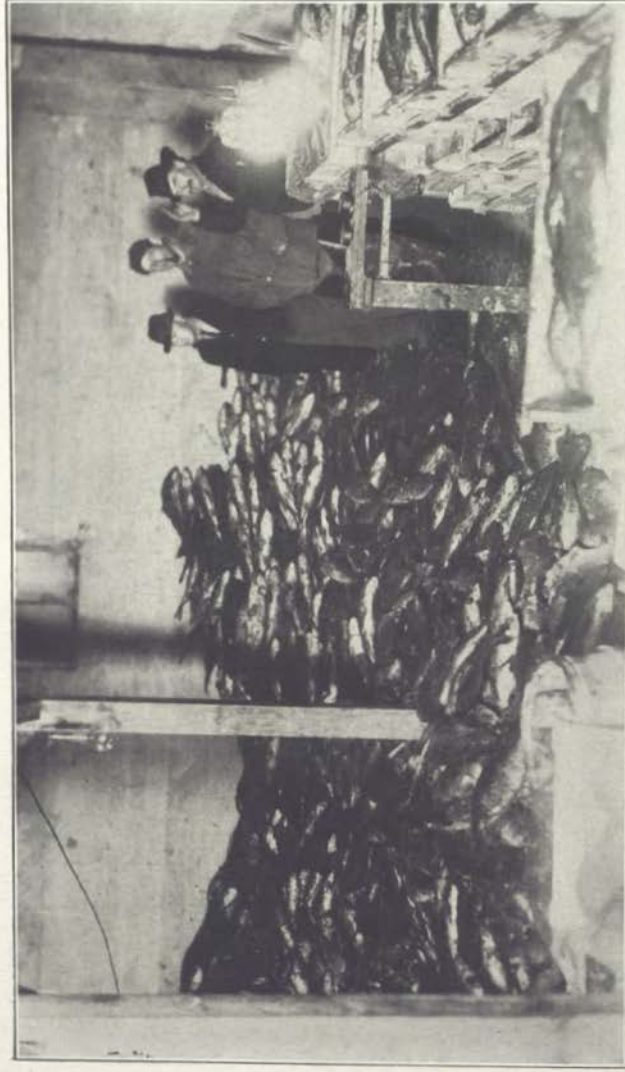
#### PROPOSED LEGISLATION.

In our last two Biennial Reports we have recommended some changes in the Fish and Game laws. Each following legislature has enacted into law a few of these recommendations. The 37th General Assembly passed the law recommended for the improvement and preservation of lakes and establishing state parks. The original bill was amended and passed carrying an appropriation of \$50,000 from the hunting license moneys and 50 per cent of all receipts. It is our opinion that this appropriation was a mistake, as it does not leave sufficient funds to carry on the work of the department, and we have been compelled to lay off all deputy wardens and stop nearly all improvements and abandon our rescue work, taking fish from cut-off waters and distributing them in the live waters. A study of this question will convince anyone that if we rescue fifty million fish each year, if we hatch seventy-five million fish in hatcheries, if we enforce the law and collect \$15,000 per year in fines, which goes to the school fund, if we maintain a game farm and produce several thousand

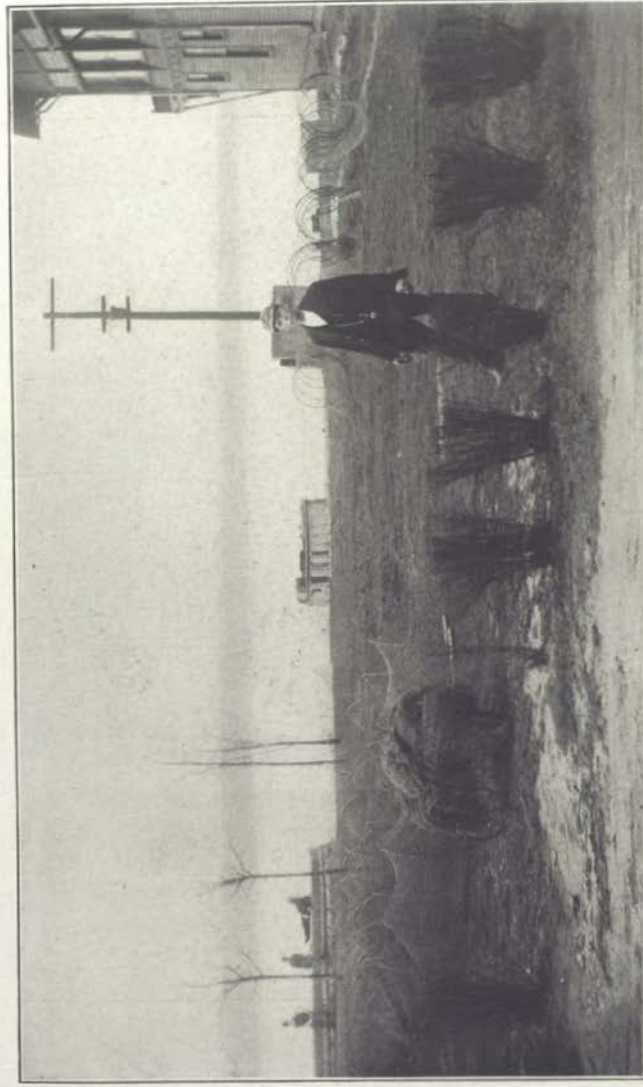


New Dam at Clear Lake with 54-foot spillway for 12-foot outlet. Designed by Highway Commission and Paul Graham, department's engineer, built by Waugh & Sons Construction Co. Similar dams under construction at Rush lake and Silver lake, Palo Alto county; Eagle lake, Hancock county; Trumbull lake, Clay county; Elm and Cornelia lakes, Wright county. Built 1918.



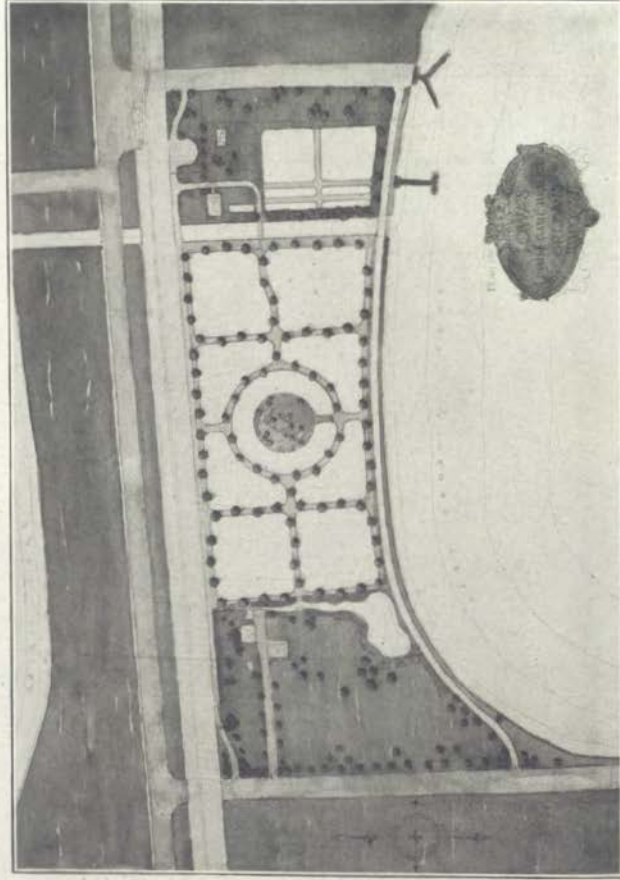


Eighty thousand pounds of Buffalo fish sold to Iowa people at less than wholesale price. Winter 1917-18.

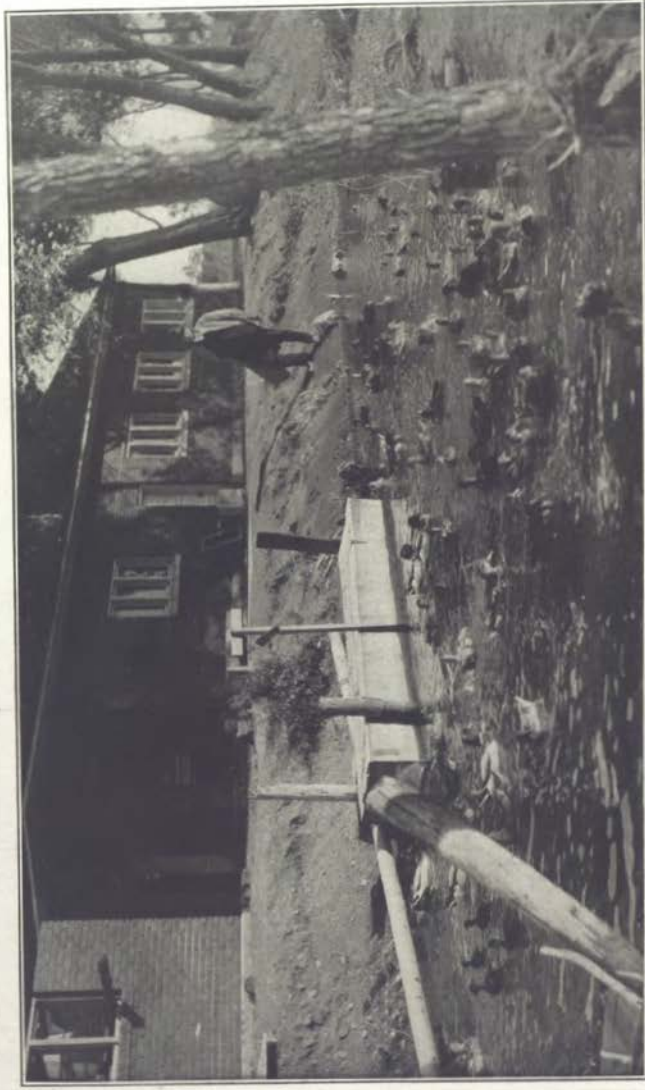


Illegal fishing devices taken as result of a raid by this squad of deputy wardens.

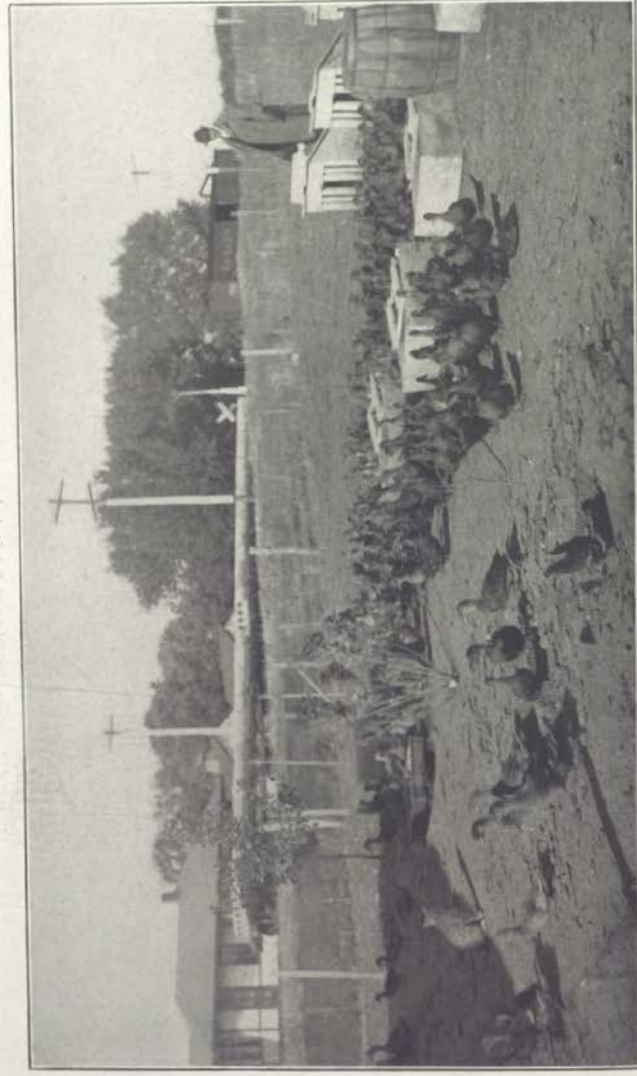




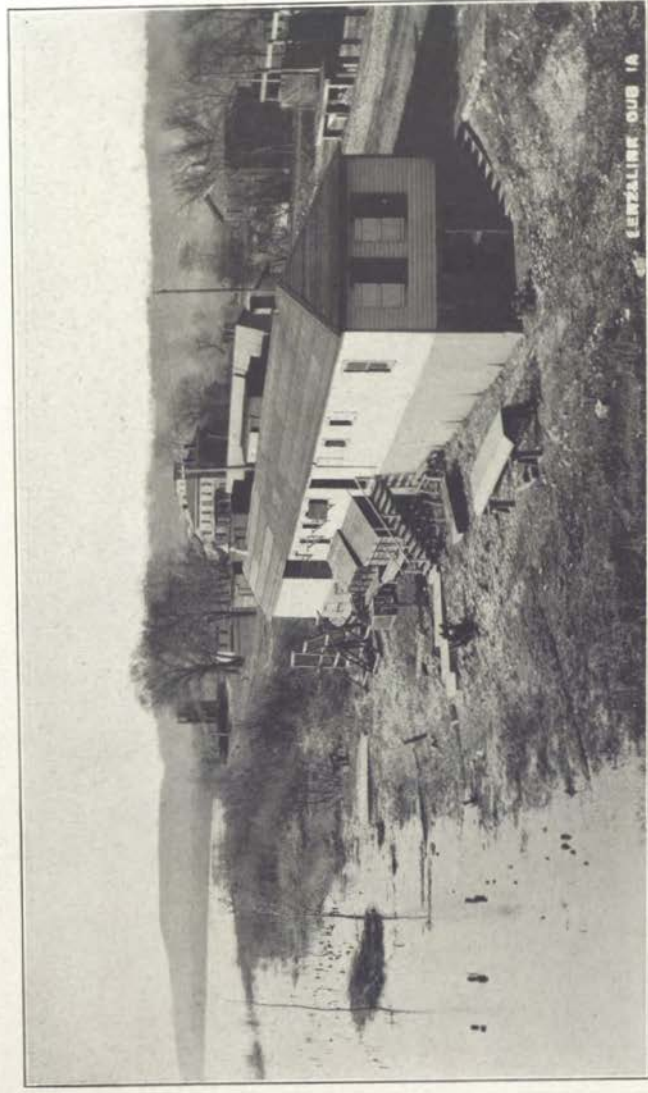
Iowa's new 36-acre fish hatchery and game farm, Orleans, between East Okoboji and Spirit Lake.



New fish hatchery building at Spirit Lake, and some of the Mallard Ducks.



A few young wild Mallard Ducks raised on fish hatchery grounds at Spirit Lake.



New fish hatchery and rescue station at Sabula, remodeled and enlarged in 1917.

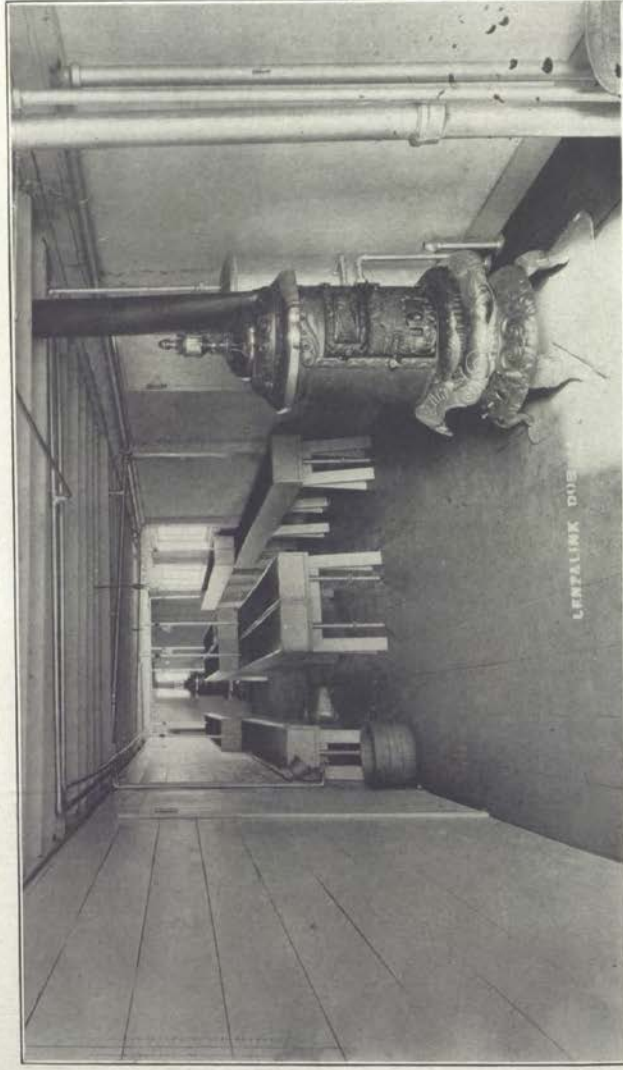




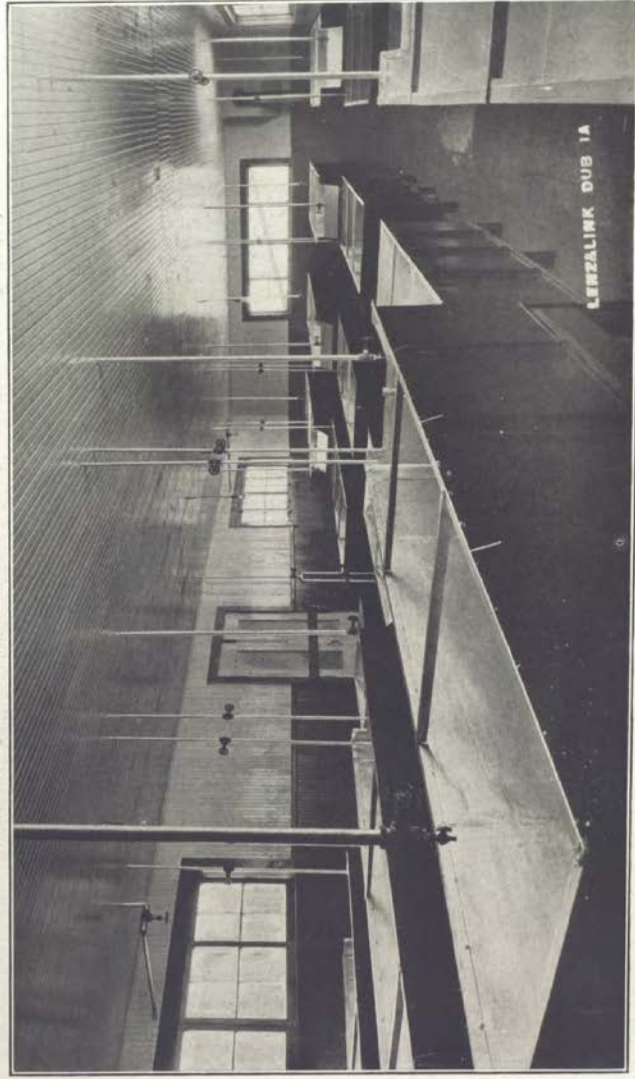
Subala rescue station and hatchery, interior showing hatchling equipment and tanks.



Hatchery and rescue station, Lansing, best equipped in United States, with full modern hatchling equipment, built in 1917.



Lansing rescue station and hatchery, showing trout hatching equipment.



Lansing rescue station and hatchery, showing all steel tanks.

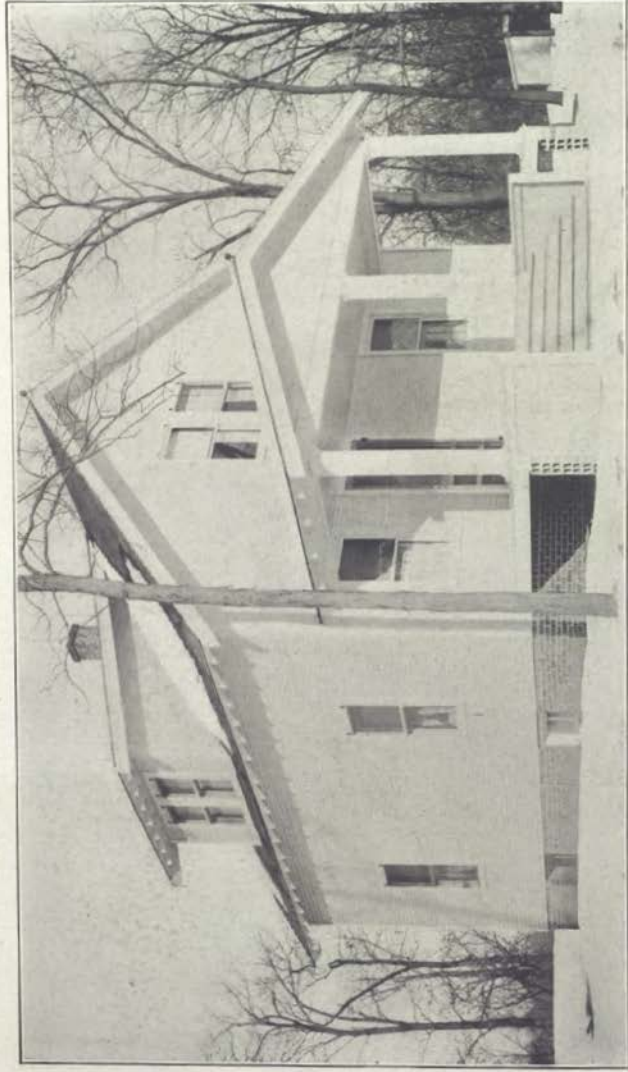




State game farm near Clive, showing game keeper's bungalow. Built 1918.



Winter scene on state game farm, showing wild geese, ducks and pheasants kept for breeding.



State game farm near Clive, showing cottage for helper's home. Built 1918.



Part of herd of registered Holstein cows at water tank, state game farm.





State game farm, new barn, winter scene in the woods. Built 1918.

birds each year, if we continue to build permanent improvements, all of which we did before the appropriation was made, we must have more money than 50 per cent of the hunting licenses. Therefore, we recommend that the Lake and Park law remain as it is and that the appropriation be repealed and all money in the Lake and Park fund be appropriated back to the Fish and Game Protection Fund, and an appropriation be made providing that the Lake and Park law may be carried into effect with such funds as are available in the Fish and Game Protection Fund, at the discretion of the State Executive Council and the State Fish and Game Warden.

#### FISHING LICENSES.

We have recommended the passage of a fishing license law which would provide for one license to hunt, fish and trap fur-bearing animals one year for one dollar. This law to exempt boys under fourteen years of age, and women from taking out such license for fishing.

This law is not recommended as a penalty for fishing, as some have seemed to understand it, but is for the purpose of creating more fish for the benefit of those who fish. Every dollar we have spent for fish in this state has produced not less than ten dollars' worth of fish. Then why not spend the money? And is there a more just way of getting it than from the people that get the direct benefit?

There is no limit to the amount of money that can be used profitably for fish. There are two hundred million fish dying this winter in Iowa that could have been rescued if the funds were provided. We would be opposed to a fishing license if the money derived from them were to be used for any other purpose, and unless the appropriation to the Lake and Park law is amended, which would enable the department to look after the fish interests, we would not recommend the passage of the fishing license law.

We have repeatedly recommended that some provision be made whereby the rough fish, such as carp and buffalo, suckers and other non-game fish, could be taken from the rivers of the state for the benefit of the people, but the legislature has not made such provision. The trouble has been that there are always a few that want to throw the fishing wide open with nets, which would mean the destruction of all fish, and there are those who have not forgotten the two former attempts to allow the taking of rough fish, when the 30th General Assembly provided the permit system, and the law was so abused that

the 31st General Assembly repealed the law, except for the large lakes of the state where the fishing was satisfactory. The 35th General Assembly again amended the law and permitted spearing rough fish without a permit. Complaints came from every section of the state that game fish were being speared and no attention was given the law, which shows that there is such a determined desire to violate the fish laws that if any opportunity is given, to have nets or spears in possession and their use is allowed, control is entirely lost and could only be coped with by putting out hundreds of wardens. The spearing law was also repealed by the following legislature. After these experiences it does not seem wise to return to the same method of getting these fish, but they are valuable for food and the people should have some way of securing them. We believe a system could be worked out whereby permits could be issued and a reasonable bond given for the faithful observance of the law. Some such provision should be made by the 38th General Assembly.

All illegal devices and confiscated fish and game should be sold and the proceeds placed to the credit of the Fish and Game Protection Fund, instead of applying on the defendant's costs. The fines and costs are usually too small for the crime committed.

The Game Reserve plan should be given more attention, and a law should be provided giving more authority for establishing Game Reserves and a more severe penalty for hunting thereon. All Game Reserve leases expire this year and we hope for a better law to renew them under.

#### WARDENS' SALARIES.

The salaries paid for services rendered is far too small to expect efficient service, and with present conditions, salaries must be raised if good men are to be had. This matter should receive careful consideration.

#### FERRETS AND RABBITS.

There should be a law to prohibit the use of ferrets for catching rabbits, as rabbit hunting is one of the main sports for the Iowa hunters, and a large per cent of money derived from the hunting licenses comes from the rabbit hunter. Therefore, he should have some protection. There should also be a closed season for killing rabbits, from about March 1st to September 1st, as during that period they are hardly fit for food.

### DISTRIBUTION OF FISH.

Deliveries made by State Fish Car Hawkeye No. 2 during seasons 1916 and 1917.

1916

Place	Number	Place	Number
Monticello.....	40,000	Lake View.....	50,000
Cedar Falls.....	40,000	Chariton.....	60,000
Des Moines.....	30,000	Red Oak.....	60,000
Des Moines.....	10,000	Council Bluffs.....	5,000
Ft. Dodge.....	45,000	Algona.....	50,000
Storm Lake.....	75,000	Shell Rock.....	40,000
Lake View.....	75,000	Nora Springs.....	40,000
Rockwell City.....	40,000	Waverly.....	40,000
Clear Lake.....	35,000	Fayette.....	40,000
Grinnell.....	40,000	Nashua.....	40,000
Milton.....	50,000	St. Ansgar.....	40,000
Twin Lakes.....	50,000	Perry.....	40,000
Fairfield.....	40,000	Decorah.....	40,000
Creston.....	60,000	Lake Park.....	40,000
Chariton.....	50,000		
Clear Lake.....	50,000	Total.....	1,375,000
De Witt.....	60,000		

Also 3,000 matured bull heads ranging in size from one-fourth inch to one inch placed in Des Moines Parks, expense paid by city of Des Moines.

1917

Place	Number	Place	Number
Minnesota Commission.....	20,000	Floris.....	50,000
Maquoketa.....	30,000	Cedar Rapids.....	50,000
Calmar.....	45,000	Anamosa.....	40,000
De Witt.....	50,000	Nashua.....	50,000
Des Moines.....	40,000	Mason City.....	40,000
Spirit Lake.....	40,000	Ionia.....	40,000
Oelwein.....	50,000	Council Bluffs.....	60,000
Clear Lake.....	50,000	Chariton.....	75,000
Nora Springs.....	40,000	Grinnell.....	40,000
Belmond.....	50,000	Storm Lake.....	60,000
Beech.....	50,000	Chariton.....	75,000
Arnolds Park.....	40,000	Staceyville.....	40,000
Jefferson and Stanton.....	50,000	Marathon.....	40,000
Albia.....	50,000	Rockford.....	40,000
Lanarktown.....	50,000	Creston.....	80,000
Elgin.....	50,000		
Boone.....	40,000	Total.....	1,575,000
Greene.....	50,000		

Also 3,000 matured bull heads ranging in size from one-fourth inch to one inch placed in Des Moines Parks, expense paid by city of Des Moines.

Total distributed for the Biennial Period..... 2,950,000



## REPORT OF FISH HATCHED 1917 AND 1918.

## SPIRIT LAKE HATCHERY

1917.

February, 1917, Lake Trout, hatched.....	5,000
April, 1917, Pickerel, hatched.....	10,000
Wall Eyed Pike eggs gathered from Okoboji and Spirit Lakes.....	100,000,000
Eyed eggs from Minnesota.....	5,500,000
Eyed eggs from Lake Erie.....	5,000,000

Total eggs.....	111,500,000
Total hatch.....	75,500,000

## WHERE PLANTED

Okoboji's.....	42,000,000
Spirit Lake.....	12,000,000
Clear Lake.....	10,000,000
Storm Lake.....	1,250,000
Twin Lakes (Calhoun Co.).....	1,000,000
Wall Lake (Sac Co.).....	1,000,000
Des Moines River at Algona.....	1,250,000
Cedar River at Charles City.....	1,000,000
Cedar River at Nashua.....	1,000,000
Turkey River at Cresco.....	1,000,000
Wapsipinicon River at Iowa.....	1,000,000
Iowa River at Tama.....	750,000
Skunk River at Cambridge.....	1,000,000
Maquoketa River at Maquoketa.....	1,000,000
Hatchery ponds (experimental purpose).....	250,000
Total.....	75,500,000

## SPIRIT LAKE HATCHERY.

1918.

Local eggs gathered.....	93,100,000
Minnesota eggs received.....	35,000,000
Total.....	128,100,000

## HATCH

From local eggs.....	27,930,000
From Minnesota eggs.....	12,250,000
Total hatch.....	40,180,000

## WHERE PLANTED

West Okoboji.....	10,000,000
East Okoboji.....	20,000,000
Spirit Lake.....	7,000,000
Clear Lake.....	2,000,000
Storm Lake.....	500,000
Silver Lake.....	500,000
Hatchery ponds (experimental purpose).....	180,000
Total.....	40,180,000

## LANSING HATCHERY.

Trout hatched.....	125,000
Placed in suitable creeks in Winneshiek, Clayton and Allamakee counties.....	
Buffalo hatched.....	800,500
Black suckers hatched.....	100,000
Placed in Mississippi River.....	

## SABULA HATCHERY

Buffalo hatched.....	1,000,000
Placed in Mississippi River.....	

## RESCUE WORK

FISH TAKEN FROM SLOUGHS AND BAYOUS AND PLACED IN LIVE WATERS	
Mixed fish rescued in Mississippi bottoms from July 1, 1916 to June 30, 1917.....	50,601,000
Mixed fish rescued in Mississippi bottoms from July 1, 1917 to June 30, 1918.....	59,574,500
These were placed in Mississippi River.....	
Game fish rescued during biennial period.....	2,826,064
Placed in following waters, Des Moines, Iowa; Cedar, Little Cedar, Wapsipinicon, Nashua, Maquoketa, Skunk, Chariton, Rock, Shell Rock, Little Sioux, Coon, and North Rivers; Camp and Soap Creeks; Lakes Okoboji, Clear, Manawa, Carter, Browns, Medium, Twin, Lost Island, North, Price's and Silver.....	

## GAME BREEDERS' LICENSES ISSUED.

No.	Name	Address	Fee
49	W. F. Weary	Sac City	2.00
50	Ernest Wooder	Oxford Junction	2.00
51	F. E. Ristim	Stanhope	2.00
52	J. H. Stoddard	Chelsea	2.00
53	Jaunon & Murray	Salix	2.00
54	P. A. Correy	Algona	2.00
55	M. E. Gottselben	Gilbertville	2.00
56	E. M. Sharon	Davenport	2.00
57	C. G. Wright	Charles City	2.00
58	A. J. Graves	Ocheyedan	2.00
59	Harry Ribble	Cornington	2.00
60	E. L. Kammer	Ruthven	2.00
61	Andrew Johnson	Oelwein	2.00
62	W. R. Hinde	Early	2.00
63	D. M. Dickey	Des Moines	2.00
64	Mrs. C. W. Morris	West Liberty	2.00
65	Frank A. Miller	Hull	2.00
66	H. O. Wilkes	Centerville	2.00
67	Ed Ruston	Ruthven	2.00
68	Raymond Johnson	Primghar	2.00
69	H. C. Kessel	Calamus	2.00
70	Chris Anderson	Wallingford	2.00
71	Guy Moore	Wallingford	2.00
72	S. R. Buffum	Lake Park	2.00
73	Clyde Kippel	Acquett	2.00
74	E. G. Brown	Charles City	2.00
75	Geo. Maish	Spirit Lake	2.00
76	Rev. J. E. Stauffer	Center Point	2.00
77	G. F. Blake	Ringsted	2.00
78	G. S. Smith	Coyington	2.00
79	Ben A. Felms	Wesley	2.00
80	T. W. Glass	Sac City	2.00
81	Wm. Hansell	Ottumwa	2.00
82	D. A. Willis	Mosenthan	2.00
83	John W. Neff	Lost Nation	2.00
84	Harry W. Swinebourn	Delhi	2.00
85	Ollis Blough	Waterloo	2.00
86	Curtis F. Feere	Panora	2.00
87	J. W. Zeigler	Albert City	2.00
88	S. T. Shiley	Wallingford	2.00
89	Dr. E. Curran	Cedar Rapids	2.00

1917-18

89	C. L. Brill	Emerson	2.00
90	Frank Colman	New Virginia	2.00
91	Earnest Lendike	Lone Rock	2.00
92	O. Olson	Goodell	2.00
93	W. C. Ballard	Des Moines	2.00
94	F. L. Armstrong	Des Moines	2.00
95	B. A. Miller	Ruthven	2.00
96	O. D. Benjamin	Ruthven	2.00
97	Joe F. Nolan	Ruthven	2.00
98	Joe Heltzel	Ruthven	2.00
99	A. J. Graves	Ocheyedan	2.00
100	Ernest Wooder	Oxford Junction	2.00
101	Louise M. Murray	Salix	2.00
102	Henry H. Hoerr	Port Madison	2.00
103	W. R. Hinde	Early	2.00
104	E. M. Sharon	Davenport	2.00
105	J. H. Stoddard	Chelsea	2.00
106	W. F. Weary	Sac City	2.00
107	Jessie Workman	Salix	2.00
108	D. M. Dickey	Des Moines	2.00
109	J. S. Robinson	Jamaica	2.00
110	A. M. Irwin	Woolstock	2.00
111	Andrew Johnson	Oelwein	2.00
112	F. R. Bissey	Vincent	2.00
113	Roy Haegdon	Ruthven	2.00

## GAME BREEDERS LICENSES ISSUED—Continued

No.	Name	Address	Fee
114	A. T. Lein	Story City	2.00
115	John W. Neff	Lost Nation	2.00
116	Verle Jones	Spencer	2.00
117	Curtis F. Feerick	Panora	2.00
118	R. J. Thompson	Oakdale Farms	2.00
119	Harry Swinebourn	Delhi	2.00
120	John Helgins	Algona	2.00
121	Ben Felt	Wesley	2.00
122	Mrs. Wm. Goodraw	Riceville	2.00
123	Ray Moore	Wallingford	2.00
124	Herman Lendke	Lone Rock	2.00
125	O. L. Wilson	Charles City	2.00
126	Fred C. Moore	Denison	2.00
127	W. M. Benton	Cedar Falls	2.00
128	D. A. Willis	Muscataine	2.00
129	Joe F. Nolan	Ruthven	2.00
130	E. S. S. Allen	Independence	2.00
Total fees received			\$ 166.00

## CERTIFICATES ISSUED FOR THE COLLECTION OF BIRDS FOR SCIENTIFIC PURPOSES.

## 1916-17.

B. Dean, Spencer, Iowa  
 Frank H. Smith, Dept. of Zoology, Ames, Ia.  
 Rush Gabrielson, Crystal Lake, Iowa  
 Vern D. Evans, Marshalltown, Iowa  
 Samuel F. Foft, Waukeo, Iowa  
 James Ward, Britt, Iowa  
 Wesley Kubichek, Iowa City, Iowa  
 Fred L. Fitzpatrick, Iowa City, Iowa  
 A. J. Anderson, Sioux City, Iowa  
 Paul Eiffert, Sioux City, Iowa  
 T. C. Stephens, Sioux City, Iowa  
 O. W. Remer, LeMars, Iowa  
 Mrs. Ina N. Gabrielson, Marshalltown, Iowa  
 Leroy Titus Weeks, Emmetsburg, Iowa  
 E. J. Hatson, Winfield, Iowa  
 Howard E. Malone, Keokuk, Iowa  
 Ren P. B. Peabody, Independence, Iowa  
 Prof. H. L. Dodge, Iowa City, Iowa

## 1917-18.

Prof. T. C. Stephens, Sioux City, Iowa  
 Wesley Kubichek, Iowa City, Iowa  
 Fred L. Fitzpatrick, Iowa City, Iowa  
 Prof. Joseph Steppan, Des Moines, Iowa  
 A. J. Anderson, Sioux City, Iowa  
 Samuel F. Foft, Waukeo, Iowa  
 J. E. Cole, Des Moines, Iowa  
 H. L. Dodge, Iowa City, Iowa  
 Arthur R. Abel, Sioux City, Iowa

## RECEIPTS FROM HUNTING LICENSES.

Amounts received in each county of the state from hunting licenses during biennial period.

County	Year 1916-17		Year 1917-18	
	Resident	Non-Resident	Resident	Non-Resident
Adair	\$ 374.00	\$ 20.00	\$ 339.00	-----
Adams	300.00	-----	286.00	-----
Allamakee	612.00	50.00	488.00	\$ 60.00
Appanoose	1,690.00	130.00	1,380.00	110.00
Audubon	425.00	-----	434.00	-----
Benton	993.00	-----	919.00	-----
Black Hawk	2,323.00	-----	2,220.00	-----
Boone	1,037.00	20.00	988.00	40.00
Bremer	907.00	-----	823.00	-----
Buchanan	1,062.00	-----	544.00	20.00
Buena Vista	602.00	20.00	712.00	10.00
Butler	732.00	-----	582.00	-----
Calhoun	640.00	30.00	403.00	-----
Carroll	950.00	-----	714.00	-----
Cass	817.00	-----	566.00	-----
Cedar	710.00	-----	-----	-----
Cerro Gordo	1,277.00	30.00	1,443.00	40.00
Cherokee	471.00	10.00	466.00	-----
Chickasaw	995.00	20.00	862.00	-----
Clarke	674.00	-----	528.00	-----
Clay	664.00	20.00	610.00	10.00
Clayton	1,435.00	10.00	1,029.00	60.00
Clinton	1,390.00	-----	1,096.00	-----
Crawford	816.00	-----	760.00	-----
Dallas	1,334.00	70.00	1,244.00	40.00
Davis	1,006.00	-----	625.00	-----
Decatur	382.00	10.00	320.00	-----
Delaware	940.00	-----	681.00	-----
Des Moines	1,392.00	120.00	1,258.00	120.00
Dickinson	1,014.00	40.00	950.00	30.00
Dubuque	2,075.00	20.00	1,902.00	10.00
Emmet	664.00	-----	626.00	-----
Fayette	1,229.00	-----	1,170.00	-----
Floyd	893.00	10.00	894.00	10.00
Franklin	576.00	-----	584.00	-----
Fremont	559.00	60.00	606.00	60.00
Greene	560.00	-----	548.00	10.00
Grundy	474.00	-----	401.00	-----
Guthrie	1,040.00	-----	1,152.00	-----
Hamilton	785.00	-----	704.00	-----
Hancock	531.00	-----	391.00	-----
Hardin	1,233.00	-----	1,055.00	-----
Harrison	844.00	20.00	735.00	10.00
Henry	459.00	-----	321.00	-----
Howard	777.00	-----	654.00	-----
Humboldt	413.00	-----	213.00	-----
Ida	262.00	-----	265.00	-----
Iowa	673.00	-----	600.00	-----
Jackson	1,039.00	30.00	839.00	10.00
Jasper	1,416.00	-----	1,265.00	-----
Jefferson	509.00	-----	481.00	-----
Johnson	1,771.00	-----	1,462.00	-----
Jones	846.00	10.00	647.00	20.00
Keokuk	1,032.00	-----	972.00	-----
Kossuth	805.00	-----	674.00	-----
Lee	1,223.00	-----	1,130.00	-----
Linn	3,320.00	-----	3,177.00	40.00
Louis	468.00	10.00	413.00	10.00
Lucas	632.00	-----	546.00	-----
Lyon	582.00	20.00	441.00	-----
Madison	444.00	-----	412.00	-----



## RECEIPTS FROM HUNTING LICENSES—Continued

County	Year 1916-17		Year 1917-18	
	Resident	Non-Resident	Resident	Non-Resident
Mahaska	1,471.00	—	1,295.00	—
Marion	1,303.00	—	1,083.00	—
Marshall	1,060.00	20.00	1,810.00	—
Mills	732.00	—	794.00	—
Mitchell	567.00	—	538.00	20.00
Monona	558.00	—	634.00	20.00
Monroe	1,235.00	10.00	1,276.00	—
Montgomery	593.00	—	507.00	—
Muscataine	1,454.00	—	1,433.00	—
O'Brien	554.00	—	531.00	—
Oscola	374.00	—	373.00	—
Page	869.00	—	903.00	—
Palo Alto	756.00	—	668.00	10.00
Plymouth	646.00	—	638.00	—
Pocahontas	497.00	—	398.00	—
Polk	4,768.00	170.00	4,786.00	180.00
Pottawattamie	1,900.00	170.00	2,085.00	150.00
Poweshiek	812.00	—	836.00	—
Ringgold	341.00	—	292.00	—
Sac	271.00	—	591.00	—
Scott	2,068.00	20.00	2,082.00	10.00
Shelby	501.00	—	511.00	—
Sioux	712.00	10.00	565.00	10.00
Story	507.00	—	947.00	20.00
Tama	1,154.00	—	1,046.00	10.00
Taylor	698.00	—	591.00	—
Union	949.00	—	991.00	—
Van Buren	256.00	—	305.00	—
Wapello	1,224.00	20.00	1,628.00	—
Warren	641.00	10.00	586.00	20.00
Washington	970.00	—	904.00	—
Wayne	452.00	—	308.00	—
Webster	1,461.00	70.00	1,336.00	50.00
Winnebago	465.00	—	328.00	—
Winneshiek	870.00	10.00	678.00	10.00
Woodbury	1,817.00	60.00	1,960.00	150.00
Worth	384.00	20.00	319.00	—
Wright	1,105.00	10.00	1,005.00	10.00
Totals	\$95,912.00	\$1,390.00	\$87,582.00	\$1,470.00

## NON-RESIDENT FISHING LICENSES FOR THE FIRST YEAR ENDING DECEMBER

31, 1917.

Black Hawk	2.00
Buena Vista	28.00
Calhoun	2.00
Cerro Gordo	2.00
Chickasaw	2.00
Clay	2.00
Delaware	2.00
Des Moines	8.00
Dickinson	178.00
Fremont	6.00
Howard	20.00
Jackson	14.00
Lee	2.00
Lincoln	10.00
Louis	2.00
Marshall	2.00
Mills	8.00
Mitchell	22.00
Monona	16.00
Pottawattamie	12.00
Sac	2.00
Scott	16.00
Wapello	2.00
Wright	2.00
Total for 1917	\$362.00

## REPORT OF THE STATE WARDEN

21

## SUCCESSFUL PROSECUTIONS.

Number of cases, character of offense and fines and costs, for each month of the biennial period.

JULY 1916.				
Counts	Charge	Fine	Costs	
5	Hunting without license	\$ 100.00	\$ 12.15	
1	Shooting song birds	5.00	2.85	
16	Illegal fishing	255.00	101.70	
7	Catching short fish	25.00	12.40	
29	Month's totals	\$ 385.00	\$ 129.10	
AUGUST, 1916.				
8	Hunting without license	200.00	29.35	
7	Shooting game out of season	60.00	18.84	
1	Shooting song birds	5.00	5.45	
38	Illegal fishing	335.00	89.10	
54	Month's totals	\$ 600.00	\$ 142.74	
1 jail sentence—5 days.				
SEPTEMBER, 1916				
19	Hunting without license	\$ 460.00	\$ 97.80	
1	Shooting game out of season	23.00	2.95	
5	Shooting song birds	25.00	8.75	
45	Illegal fishing	245.00	100.56	
70	Month's totals	\$ 755.00	\$ 210.06	
OCTOBER, 1916				
28	Hunting without license	\$ 546.00	\$ 113.34	
1	Shooting from boat after sunset	25.00	4.75	
13	Illegal trapping	235.00	35.75	
24	Illegal fishing	72.00	11.60	
66	Month's totals	\$ 878.00	\$ 165.44	
2 jail sentences—30 days each.				
NOVEMBER, 1916				
18	Hunting without license	\$ 415.00	\$ 79.83	
2	Hunting with nets	50.00	11.50	
1	Shooting before sunrise	10.00	1.50	
915	Illegal trapping	7,753.50	516.19	
2	Buying illegal furs	15.00	1.45	
8	Illegal fishing	97.50	39.80	
946	Month's totals	\$ 8,341.40	\$ 657.27	
DECEMBER, 1916				
26	Hunting without license	\$ 654.00	\$ 96.40	
2	Hunting on game reserve	10.00	9.80	
125	Illegal trapping	951.00	61.30	
2	Buying illegal furs	20.00	7.35	
18	Illegal fishing	255.00	56.70	
173	Month's totals	\$ 1,890.00	\$ 231.55	
JANUARY, 1917.				
9	Hunting without license	\$ 225.00	\$ 50.50	
5	Shooting game out of season	30.00	7.55	
1	Shooting Ringneck Pheasants	100.00	16.00	
2	Hunting on game reserve	20.00	5.20	
1	Shooting deer	100.00	4.85	
47	Illegal fishing	320.00	116.80	
1	Catching small fish	25.00	3.50	
66	Month's totals	\$ 1,020.00	\$ 204.46	

## FEBRUARY, 1917

1	Hunting without license.....	\$ 25.00	\$ 5.95
1	Shooting game out of season.....	10.00	4.75
4	Illegal trapping.....	40.00	22.55
416	Illegal fishing.....	1,243.00	53.35
422	Month's totals.....	\$ 1,318.00	\$ 86.60

## MARCH, 1917

7	Hunting without license.....	175.00	25.25
1	Hunting on game reserve.....	25.00	2.00
2	Shooting quail out of season.....	50.00	5.70
1	Illegal fishing.....	25.00	3.05
11	Month's totals.....	\$ 275.00	\$ 36.00

## APRIL, 1917

3	Hunting without license.....	\$ 60.00	\$ 13.70
5	Shooting song birds.....	300.00	13.50
1	Shooting game out of season.....	25.00	3.00
1	Selling game birds.....	90.00	
27	Illegal fishing.....	170.00	60.50
2	Dynamiting fish.....	100.00	16.50
39	Month's totals.....	\$ 745.00	\$ 107.20

## MAY, 1917

3	Hunting without license.....	\$ 50.00	\$ 14.95
5	Shooting song birds.....	25.00	9.05
5	Killing game out of season.....	51.00	38.50
1	Buying illegal furs.....	5.00	3.00
44	Illegal fishing.....	325.00	157.45
1	Catching short fish.....	5.00	4.65
1	Interfering with a Deputy Warden.....		5.15
60	Totals for month.....	\$ 461.00	\$ 232.75

## JUNE, 1917

3	Hunting without license.....	\$ 75.00	\$ 13.10
1	Killing fox squirrel.....	10.00	2.85
39	Illegal fishing.....	370.00	117.85
4	Dynamiting fish.....	250.00	
4	Catching short fish.....	30.00	17.05
44	Month's totals.....	\$ 735.00	\$ 178.35

Total 1980	Totals for 1916-17.....	\$17,403.40	\$ 2,381.46
	Total.....	\$19,784.86	

## JULY, 1917

2	Hunting without license.....	\$ 50.00	\$ 5.70
1	Shooting song birds.....	5.00	2.85
1	Shooting squirrels out of season.....	10.00	2.85
84	Illegal fishing.....	530.00	85.90
4	Catching short fish.....	22.00	8.00
92	Month's totals.....	\$ 617.00	\$ 105.30

## AUGUST, 1917

1	Hunting without license.....	\$ 5.00	\$ 4.85
5	Shooting song birds.....	25.00	4.05
3	Shooting game out of season.....	30.00	4.65
20	Illegal fishing.....	205.00	76.45
3	Catching short fish.....	17.00	7.20
1	Dynamiting fish.....	50.00	6.50
33	Month's totals.....	\$ 332.00	\$ 103.70

## SEPTEMBER, 1917

5	Hunting without license.....	\$ 125.00	\$ 17.45
5	Shooting song birds.....	25.00	4.05
2	Shooting from boat after sunset.....	50.00	16.70
36	Illegal fishing.....	325.00	97.50
3	Catching short fish.....	75.00	8.40
1	Non-Resident without license.....	10.00	3.00
1	Selling illegally caught fish.....	10.00	7.50
53	Month's totals.....	\$ 620.00	\$ 154.60

## OCTOBER, 1917

20	Hunting without licenses.....	\$ 450.00	\$ 74.20
1	Hunting on game reserve.....	5.00	1.85
3	Shooting from boat before sunrise.....	12.00	19.95
2	Shooting from boat after sunrise.....	35.00	9.85
3	Shooting from gas launch.....	30.00	9.00
9	Illegal trapping.....	90.00	12.85
1	Illegal possession of furs.....	5.00	4.85
18	Illegal fishing.....	120.00	22.00
3	Catching short fish.....	25.00	5.00
60	Month's totals.....	\$ 772.00	\$ 159.55

## NOVEMBER, 1917

21	Hunting without license.....	\$ 530.00	\$ 88.00
1	Shooting deer.....	50.00	15.00
2	Deer in possession.....	20.00	28.00
2	Hunting on game reserve.....	2.00	8.75
168	Illegal trapping.....	1,650.00	125.20
31	Illegal possession of furs.....	580.00	70.30
4	Illegal fishing.....	40.00	11.00
1	Assuming to be a Game Warden.....	10.00	6.20
230	Month's totals.....	\$ 2,882.00	\$ 253.35

## DECEMBER, 1917

10	Hunting without license.....	\$ 225.00	\$ 53.45
6	Shooting game out of season.....	85.00	18.05
6	Illegal trapping.....	151.00	38.90
3	Destroying Muskrat houses.....	40.00	18.30
10	Illegal fishing.....	115.00	21.40
35	Month's totals.....	\$ 617.00	\$ 150.10

## JANUARY, 1918

1	Hunting without license.....	\$ 25.00	\$ 1.50
3	Illegal trapping.....	75.00	23.00
61	Illegal fishing.....	381.00	59.90
65	Month's totals.....	\$ 781.00	\$ 84.40

## FEBRUARY, 1918

1	Hunting without license.....	\$ 25.00	\$ 1.50
5	Hunting on game reserve.....	10.00	5.00
1	Illegal possession of furs.....		12.95
40	Illegal fishing.....	225.00	84.90
4	Selling illegally caught fish.....	30 days jail	73.35
3	Illegal possession of fish.....	30.00	6.40
54	Month's totals.....	\$ 290.00	\$ 184.10

## MARCH, 1918

9	Hunting without license.....	\$ 225.00	\$ 48.70
1	Shooting game out of season.....	25.00	6.20
1	Illegal trapping.....	10.00	4.00
29	Illegal fishing.....	1,200.00	44.00
40	Month's totals.....	\$ 1,465.00	\$ 102.90

## APRIL, 1918

5	Hunting without license.....	\$ 62.50	\$ 12.85
2	Shooting game out of season.....	15.00	5.60
2	Illegal trapping.....	20.00	4.85
28	Illegal fishing.....	245.00	107.40
37	Month's totals.....	\$ 342.50	\$ 190.70

## MAY, 1918

7	Hunting without license.....	\$ 155.00	\$ 21.50
39	Illegal fishing.....	332.00	157.10
3	Non-Resident fishing without license.....	15.00	12.20
2	Catching undersize fish.....	15.00	5.50
51	Month's totals.....	\$ 517.00	\$ 196.30



## FISH AND GAME DEPARTMENT

JUNE, 1918.

3	Hunting without license	\$ 75.00	\$ 12.70
5	Illegal fishing	30.00	18.25
1	Catching undersize fish	15.00	3.00
9	Month's totals	\$ 120.00	\$ 33.95
Total			
759			
Grand total			
2739			
Totals, 1917-18		\$ 9,045.55	\$ 1,658.95
Total		10,704.50	
Grand total for biennial period		30,489.36	

## OCCUPATION OF LAW VIOLATORS

From July 1, 1916, to June 30, 1918. For this Biennial period we have had all Deputy Wardens report the occupation of all convicted law violators; below is given a list with number of each:

Assessor	1	Laborers	216
Bakers	3	Lineman	1
Bankers	4	Leafers	31
Barbers	3	Machinists	4
Boat house proprietor	1	Mail carriers	2
Bootblack	1	Manufacturers	2
Bootlegger	1	Mechanics	1
Blacksmiths	4	Merchants	17
Brick Masons	1	Milkman	1
Bridge and iron worker	1	Millers	4
Butchers	8	Newsboys	4
Carpenters	23	Painters	14
Clerks	7	Plasterers	2
Coal miners	17	Plumbers	2
Cobbler	1	Policeman	1
Construction boss	1	Pool hall proprietors	4
Contractors	4	Preachers	2
County engineer	1	Printers	2
County supervisors	2	R. R. agent	1
Creamery manager	1	R. R. shopman	8
Dentists	3	R. R. trainman	6
Deputy Game Warden	1	Real estate dealers	2
Doctors	3	Restaurant proprietors	4
Drayman	1	Retired farmers	20
Editor	1	Salesmen	5
Elevator managers	2	School boys	43
Farmers	340	Section hands	9
Federal migratory bird inspector	1	Steam shovelmen	1
Firemen	2	Stock buyer	2
Fishermen	42	Stone mason	1
Florists	2	Showmen	3
Fur Dealers	5	Teamsters	8
Gamblers	3	Telegraph operators	2
Garagemen	9	Temp. bartender	1
Horseman	1	Theater proprietor	1
Hotelman	5	Tiler	9
Ice man	1	Wagonmaker	1
Indians	5	Waterworks stationman	1
Junk dealers	6	Well driller	1
Justice of the Peace	2		
Total			970

## REPORT OF THE STATE WARDEN

## ILLEGAL DEVICES SEIZED AND SOLD OR DESTROYED.

1916.	July	1918.	July
July	264	August	83
August	95	September	105
September	39	October	93
October	31	November	57
November	1,572	December	109
December	33		
1917.	January	1918.	January
January	36	February	141
February	19	March	55
March	9	April	131
April	40	May	330
May	71	June	66
June	120		
Total			3,684

## BIRDS, ANIMALS AND FISH SEIZED AND SOLD

1916.	October	November	1918.	January
October	18	202	January	14
November	136	172	February	172
December	1	61	March	15
May	1	43	April	15
June	43	30	May	8
October	30			
Total for Biennial Period				1,017

Where a prosecution was made the above were sold to apply on costs the balance deposited to the credit of the school fund. Where no prosecution was made the property was sold and the money deposited to the credit of the Fish and Game Protection Fund.

## RECAPITULATION.

	1916-17	1917-18	Total
Successful prosecutions (counts)	2,186	716	2,902
Devices destroyed	2,329	1,355	3,684
Birds, animals and fish seized and sold	400	617	1,017
Fines and costs	\$ 19,784.86	\$ 10,704.50	\$ 30,489.36

## INVENTORY OF PROPERTY BELONGING TO FISH AND GAME DEPARTMENT

## OFFICE.

Office furniture fixtures.....	\$ 874.00
Office stationary and supplies.....	421.15
	\$ 1,295.15

## SPIRIT LAKE FISH HATCHERY.

Thirty acres land, hatchery building, water tank, power house, machinery, hatching equipment, two cottages, barn and three bird houses.....	66,500.00
1 launch.....	750.00
3 row boats.....	150.00
2 Evinrude engines.....	150.00
400 Mallard ducks.....	800.00
25 breeding pheasants.....	125.00
3 Canada geese.....	30.00
50 common hens.....	50.00
	\$ 68,555.00

## LANSING FISH HATCHERY AND RESCUE STATION.

Hatchery building and station equipment.....	\$ 7,500.00
Seines and nets for rescue work.....	550.00
Two boats.....	50.00
Ten live boxes.....	50.00
Fish cans.....	75.00
Tools and material on hand.....	125.00
	\$ 8,350.00

## SABULA FISH HATCHERY AND RESCUE STATION.

Hatchery building and stationary equipment.....	\$ 8,000.00
1 30-foot launch.....	550.00
1 20-foot launch.....	250.00
1 barge with canopy top.....	125.00
2 boats.....	75.00
Ice slides and tools.....	100.00
Live boxes.....	75.00
Cans for fish distribution.....	50.00
Seines and nets for rescue work.....	400.00
	\$ 9,625.00

## GAME FARM.

Game farm building, fences and equipment.....	\$ 16,000.00
Truck, horses, wagon, harness and farm machinery.....	1,449.00
Hatchery boxes, feeding crates, rearing coops and pens.....	2,335.00
Miscellaneous tools.....	100.00
3 registered Holstein cows and calf.....	525.00
Game birds on game farm (market value).....	7,716.00
150 common chickens.....	125.00
30 tons hay.....	600.00
8 acres oats.....	200.00
8 acres barley.....	200.00
8 acres corn.....	400.00
	\$ 29,648.00

## RESCUE AND DISTRIBUTION.

Fish car.....	\$ 18,000.00
Fish car barn.....	625.00
Tools and equipment on fish car.....	300.00
Seines and rescue work equipment in hands of deputies.....	486.80
Launch.....	150.00
9 boats.....	167.50
Camp outfit.....	124.20
	\$ 19,553.50

## MISCELLANEOUS.

Permanent dams at outlet of lakes.....	\$ 6,700.00
	\$ 6,700.00
Total property.....	\$ 144,026.65



## DISBURSEMENTS FROM THE FISH AND GAME

FROM JULY 1, 1916,

Date	Official Salaries	Office Expense	Printing	Deputy Salaries	Traveling Expenses	Freight and Express	Public water Expenditure	Care of Game Birds
July, 1916	\$ 583.33	\$ 225.75	\$ 13.25	\$ 3,318.00	\$ 1,695.91	\$ 54.19	\$ 557.70	\$ 91.00
August	483.33	246.53	138.15	3,587.00	1,065.99	3.54	3,260.68	187.47
September	583.33	208.23		3,857.50	2,317.34	21.28	869.75	85.16
October	483.33	207.00		3,315.75	1,823.03	64.45	99.80	213.56
November	483.33	242.21	2.75	4,056.25	2,255.51	2.0		124.70
December	583.33	308.94		3,732.50	1,944.64	1.62	238.00	86.00
January, 1917	583.33	293.48		4,032.50	2,050.43	16.93		66.40
February	583.33	167.49	78.91	3,680.00	1,683.81	.80		3.15
March	583.33	223.46		2,858.75	1,184.18	5.14		4.30
April	583.33	255.51		3,496.25	1,908.19	1.95		39.63
May	583.33	299.30		3,468.75	1,957.15	21.56	10.00	35.05
June	608.25	372.39	11.25	3,585.00	2,175.95	35.73	2.25	35.50
Total for first year	\$ 6,724.95	\$3,450.31	\$ 244.31	\$ 42,978.25	\$ 22,732.13	\$ 229.20	\$3,153.18	\$ 1,021.92

FROM JULY 1, 1917,

Date	Official Salaries	Office Expense	Printing	Deputy Salaries	Traveling Expenses	Freight and Express	Public water Expenditure	Care of Game Birds
July	608.33	\$ 258.15	\$ 45.00	\$ 3,542.00	\$ 2,144.94	\$ 44.97		\$ 66.40
August	608.33	256.91	21.00	3,252.50	1,059.5	14.41		
September	608.33	239.50	17.50	3,087.50	2,000.78	15.42		71.84
October	608.33	354.70		3,206.75	2,018.81	6.47		41.70
November	608.33	227.50	31.25	2,671.25	1,791.18			39.65
December	608.33	492.81		2,950.00	1,737.75	8.83		109.05
January, 1918	1,008.33	251.21		2,596.25	1,489.61	2.85		65.16
February	1,008.33	293.15	43.50	1,582.50	1,238.76			34.80
March	1,008.33	247.71		1,977.50	1,257.37	6.71		42.90
April	1,108.33	309.67		1,922.50	1,345.91	2.07		1.55
May	1,108.33	863.11		2,106.25	1,819.25	4.50		53.95
June	1,008.33	244.1		1,355.00	1,076.24	3.40	9.60	26.00
Total for second year	\$ 10,999.90	\$3,946.50	\$ 158.25	\$ 30,212.00	\$ 19,879.65	\$ 109.36	\$ 9.60	\$ 555.00
Totals for Biennial Period	\$ 17,724.94	\$7,396.81	\$ 402.56	\$ 73,190.25	\$ 42,611.78	\$ 338.56	\$3,162.78	\$ 1,576.92

For the Biennial Period \$10,946.50 of deputies salaries was spent for rescue work.

## PROTECTION FUND FOR THE BIENNIAL PERIOD.

TO JUNE 30, 1917.

Game Farm	Distributing Fish	Fish Hatchery	Property Bought	Eggs	Game Birds	Cost of Hatchery	Licenses Applications and Law Books	Educational	Miscellaneous	Total
\$ 963.34	\$ 32.26	\$ 126.55	\$ 557.13		\$ 20.00	\$ 243.04	\$ 868.48	\$ 3.00	\$ 14.80	\$ 9,322.83
343.50	628.09	107.25	185.91		20.50	547.00		106.00	3.00	11,925.24
601.51	1,477.49	51.84	161.59		8.00	1,225.58		188.26	.25	11,672.38
309.00	2,514.49	67.91	258.20		32.00	1,022.84		10.25		10,394.86
412.34	1,711.95	119.60	302.97		12.00	1,308.23		117.56		10,941.30
362.95	505.18	177.12	651.18			264.44				8,752.91
148.73	557.17	226.23	37.50		20.00	560.34		3.50	.75	7,346.28
240.35	36.65	294.84	487.85			115.60		44.50		5,915.18
298.95	29.91	587.39	99.78		38.00	7.75				7,313.44
327.82	9.01	454.09	50.84			180.83		55.56		9,548.18
917.92	4.00	1,282.36	67.50			285.70				9,794.63
692.44	50.58	428.64	511.95			350.60	904.00			
\$ 5,588.75	\$ 7,556.76	\$3,923.82	\$ 3,339.40		\$ 150.50	\$6,141.95	\$1,772.48	\$472.87	\$ 75.46	\$ 111,556.27

TO JUNE 30, 1918.

Game Farm	Distributing Fish	Fish Hatchery	Property Bought	Eggs	Game Birds	Cost of Hatchery	Licenses Applications and Law Books	Educational	Miscellaneous	Total
\$ 627.34	\$ 145.24	\$ 50.35	\$ 2,218.45		\$ 331.12					\$ 10,080.37
463.80	935.40	104.99	931.74		279.17					8,767.30
1,097.89	1,390.91	6.25	735.64		353.42	1,070.00	107.90			11,612.88
362.39	2,185.76	184.42	155.17		715.10					19,144.61
645.80	1,629.78	178.95	253.83		387.09					9,239.31
145.31	2,612.42	112.00	997.25		279.70	23.00				10,286.48
502.88	995.29	105.87	554.66		33.96		24.04			7,629.77
110.00	362.73	16.79	197.31				6.0			4,890.44
630.01	33.35	103.32	2,090.67							7,387.87
638.90	2.50	668.00	3,474.27		12.80	234.33				9,923.03
1,711.32	36.00	1,789.01	7,018.04			356.12		61.04		16,984.92
990.32	265.00	265.02	1,337.38	\$300.00		137.80				6,919.29
\$ 7,865.46	\$ 10,796.89	\$3,588.57	\$ 19,932.43	\$300.00	\$ 22.80	\$3,310.41	\$1,093.00	\$447.66	\$ 25.00	\$ 113,272.26
\$ 13,454.21	\$ 18,353.65	\$7,512.39	\$23,291.83	\$300.00	\$173.00	\$9,452.36	\$2,865.48	\$920.55	\$100.46	\$224,828.53

## BOUNDARY WATER LICENSES ISSUED.

FROM JULY 1, 1916, TO JUNE 30, 1918.

No.	Name and Address	For	Amount
2783	Joe Smith, Clinton	1 trammel and 1 tag	5.10
2784	Harry Hayes, Clinton	1 trammel and 1 tag	5.10
2785	Wm. Below, Sioux City	2 hoop nets and 2 tags	1.20
2786	Henry Offerman, Sioux City	1 hoop net and 1 tag	.60
2787	Chris Christensen, Sioux City	1 trammel, 1 hoop and 2 tags	5.70
2788	J. W. Berry, Sioux City	1 trammel and 1 tag	5.10
2789	Claw Graap, Le Claire	20 hoop nets and 20 tags	12.00
2790	A. E. Black, Louisa	1 trammel and 1 tag	5.10
2791	Wm. Harper, Muscatine	1 trammel and 1 tag	5.10
2792	J. H. Gittert, Muscatine	2 hoop nets and 2 tags	1.20
2793	M. F. Hampton, Muscatine	10 hoop nets and 10 tags	6.00
2794	J. G. Huser, Logan	1 trammel and 1 tag	5.10
2795	A. Bjokland, Onawa	1 hoop net and 1 tag	.60
2796	Harry Kelly, Blencoe	1 hoop net and 1 tag	.60
2797	Dick Comfort, Onawa	1 trammel and 1 tag	5.10
2798	Adam Albert, Dubuque	1 dip net and 1 tag	.60
2799	Fred Frank, Dubuque	2 bait and 2 tags	1.20
2800	Herman Clay, Dubuque	2 hoop nets, 1 dip and 3 tags	1.80
2801	Geo. R. Sparr, Dubuque	1 trammel and 1 tag	5.10
2802	John Pape, Waupeton	1 trammel and 1 tag	5.10
2803	E. Swindell, Waupeton	1 trammel and 1 tag	5.10
2804	Fred Clow, Dubuque	1 trammel and 1 tag	5.10
2805	Joe Garrow, Savannah, Ill.	10 hoop nets and 10 tags	6.00
2806	Jim Hartman, Burlington	8 hoop nets and 8 tags	4.80
2807	W. J. Henry, Burlington	1 trammel and 1 tag	5.10
2808	J. Wallingdingham, Burlington	1 trammel and 1 tag	5.10
2809	Wm. Dunn, Bettendorf	1 trammel and 1 tag	5.10
2810	Ernest Borden, Davenport	2 hoop nets and 2 tags	1.20
2811	R. B. York, Bettendorf	1 hoop net and 1 tag	.60
2812	H. J. Zabel, Eldridge	1 hoop net and 1 tag	.60
2813	F. Williams, Suburban Island	1 hoop net and 1 tag	.60
2814	O. M. Partland, Burlington	8 hoop nets and 8 tags	4.80
2815	E. Moyer, Burlington	10 hoop nets and 10 tags	6.00
2816	Sidney Costa, Sioux City	2 hoop nets and 2 tags	1.20
2817	R. S. Willard, Ft. Madison	2 hoop nets and 2 tags	1.20
2818	J. R. Chronister	3 hoop nets and 3 tags	1.80
2819	A. J. Mutton, Nebraska City	2 hoop nets and 2 tags	1.20
2820	Jno. Mathas, Onawa	1 hoop net and 1 tag	.60
2821	Jno. Morris, Sioux City	1 trammel and 1 tag	5.10
2822	J. D. Brewer, Sioux City	1 hoop and 1 tag	.60
2823	J. L. Hurd, Muscatine	2 hoop nets and 2 tags	1.20
2824	Chas. McMahon, Lyons	1 seine and 1 tag	10.10
2825	C. L. Schroeder, Clinton	3 hoop nets and 3 tags	1.80
2826	A. Carstensen, Clinton	1 bait net and 1 tag	.60
2827	Roy Wilson, Davenport	1 trammel and 1 tag	5.10
2828	F. L. Waterman, Davenport	1 hoop net and 1 tag	.60
2829	A. C. Jacobs, Davenport	1 hoop net and 1 tag	.60
2830	Jno. Goetsch, Davenport	2 hoop nets and 2 tags	1.20
2831	C. L. Lane, Suburban Island	2 hoop nets and 2 tags	1.20
2832	S. Heckerman, Bettendorf	3 hoop nets and 3 tags	1.80
2833	Henry Jorgensen, Davenport	3 hoop nets and 3 tags	1.80
2834	Geo. Sargode, Davenport	5 hoop nets and 5 tags	3.00
2835	Harris Valley, Davenport	1 trammel and 1 tag	5.10
2836	Wm. Gwinn, Keokuk	5 hoop nets and 5 tags	3.00
2837	C. Maynar, Pontosse	1 hoop net and 1 tag	.60
2838	C. H. Megordon, Waukon	8 hoop nets and 8 tags	4.80
2839	W. E. Mayer, Burlington	10 hoop nets and 10 tags	6.00
2840	J. Townsend, Pontosse	1 seine and 1 tag	10.10
2841	Geo. Clark, Dubuque	1 seine and 1 tag	10.10
2842	Wm. Pust, Dubuque	1 trammel and 1 tag	5.10
2843	Frank Heinze, Dubuque	1 trammel net and 1 tag	5.10
2844	Emil Knoke, Guttenburg	1 fyke net and 1 tag	.60
2845	Geo. Rhomburg, Specters Ferry	2 bait and 2 tags	1.20
2846	W. Keller, Sabula	2 bait nets and 2 tags	1.20
2847	Harry Miller, Sabula	2 bait nets and 2 tags	1.20

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
2848	J. L. Hubbard, Davenport	1 trammel, 1 pound, 2 tags	6.20
2849	H. Black, Davenport	1 trammel net and 1 tag	.60
2850	Wm. Dehning, Rockingham	5 hoop nets and 5 tags	3.00
2851	Jno. Spring, Pleasant Valley	1 hoop net and 1 tag	.60
2852	Wm. Platt, Camanche	1 trammel and 1 tag	5.10
2853	E. C. Philler, Camanche	2 hoop nets, 3 bait, 5 tags	3.00
2854	F. Jordan, Camanche	8 bait nets and 8 tags	4.80
2855	J. D. Stanton, Keokuk	5 hoop nets and 5 tags	3.00
2856	A. Fuhlenkamp, Sioux City	3 hoop nets and 3 tags	1.80
2857	F. E. Smith, Davenport	3 hoop nets and 3 tags	1.80
2858	Carl Height, Linwood	1 hoop net and 1 tag	.60
2859	G. A. Buckely, Linwood	1 hoop net and 1 tag	.60
2860	Edw. T. Weldon, Mondamin	3 hoop nets and 3 tags	1.80
2861	Frank Holliday, Davenport	10 hoop nets and 10 tags	6.00
2862	A. Dungan, Mondamin	1 trammel and 1 tag	5.10
2863	D. A. Kane, Bartlett	1 hoop net and 1 tag	.60
2864	J. R. Eldge, Council Bluffs	1 trammel and 1 tag	5.10
2865	H. Edstrom, Council Bluffs	1 hoop net and 1 tag	.60
2866	Geo. Pruett, Council Bluffs	8 hoop nets and 8 tags	4.80
2867	J. P. Gage, Sabula	2 bait nets and 2 tags	1.20
2868	B. W. Case, Sabula	1 trammel and 1 tag	5.10
2869	Geo. Foell, Specters Ferry	1 bait net and 1 tag	.60
2870	J. C. Brandenburg, Buena Vista	1 seine and 2 tags	20.20
2871	M. Pierce, Buena Vista	1 seine and 1 tag	10.10
2872	Sam Tenkey, Clayton	1 seine and 1 tag	10.10
2873	Jake Wick, Buena Vista	1 seine and 1 tag	10.10
2874	Jas. Furgesen, Clayton	1 seine and 1 tag	10.10
2875	Lloyd Nile, Bellevue	1 seine and 1 tag	10.10
2876	W. Corson, Dubuque	1 trammel and 1 tag	5.10
2877	C. Soles, Clayton	6 bait nets and 6 tags	3.60
2878	Fred Smith, Cordova	1 seine and 1 tag	10.10
2879	Wm. Parrish, Bettendorf	2 hoop nets and 2 tags	1.20
2880	John Bald, Buffalo	1 hoop net and 1 tag	.60
2881	Ed Bald, Buffalo	1 hoop net and 1 tag	.60
2882	Chas. Hooper, Davenport	1 hoop net and 1 tag	.60
2883	Lorne Short, Camanche	1 seine and 1 tag	10.10
2884	C. C. Campie, Clinton	1 hoop net and 1 tag	.60
2885	Harold Berg, Clinton	2 bait nets and 2 tags	1.20
2886	O. E. Vasier, Ft. Madison	8 hoop nets and 8 tags	4.80
2887	Adrien Salladen, Ft. Madison	1 hoop net and 1 tag	.60
2888	Frank Heinz, Dubuque	1 seine and 1 tag	10.10
2889	Donald Blake, Clayton	1 trammel net and 1 tag	5.10
2890	C. H. Swaffield, Dubuque	1 trammel net and 1 tag	5.10
2891	Chas. Stinman, Bellevue	1 trammel net and 1 tag	5.10
2892	M. D. Kaiser, Bellevue	10 bait nets and 10 tags	6.00
2893	John Putman, Bellevue	10 bait nets and 10 tags	6.00
2894	Clarence Putman, Bellevue	10 hoop nets and 10 tags	6.00
2895	T. E. Corder, Keokuk	1 trammel net and 1 tag	5.10
2896	B. W. Case, Sabula	1 seine and 1 tag	10.10
2897	John Wick, Guttenburg	1 seine and 1 tag	10.10
2898	Dave Thinkey, Guttenburg	1 seine and 1 tag	10.10
2899	Ed Antrim, Guttenburg	1 seine and 1 tag	10.10
2900	Clarence Putman, Bellevue	1 seine and 1 tag	10.10
2901	Louis Willing, Guttenburg	1 trammel and 1 tag	5.10
2902	Chas. Stinman, Bellevue	10 hoop nets and 10 tags	6.00
2903	F. H. Putnam, Buffalo	10 hoop nets and 10 tags	6.00
2904	H. D. Dunn, Ft. Madison	4 fyke nets and 4 tags	2.40
2905	Harry Fuersch, Okawville, Ill.	10 bait nets and 10 tags	6.00
2906	Wm. Morgan, Reithsburg, Ill.	1 seine and 1 tag	10.10
2907	Roy Chestnut, Reithsburg, Ill.	1 hoop net, 5 bait, 6 tags	6.60
2908	Luther Howard, Camanche	1 trammel net and 1 tag	5.10
2909	Chas. Hugumin, Camanche	1 seine and 1 tag	10.10
2910	Roy Currier, Savannah, Ill.	1 seine and 1 tag	10.10
2911	J. H. Stender, Rockingham	1 trammel and 1 tag	5.10
2912	Samuel Canedy, Williams	1 hoop net and 1 tag	.60
2913	John Dedman, Keokuk	5 hoop nets and 5 tags	3.00
2914	Dirk Lefebvre, Keokuk	1 hoop net and 1 tag	.60
2915	Geo. Menkel, Dubuque	1 dip net and 1 tag	.60
2916	J. Value, Keokuk	5 hoop nets and 5 tags	3.00
2917	Wm. Wendorf, N. Buena Vista	1 seine and 1 tag	10.10
2918	Chas. Hagman, Bettendorf	1 trammel net and 1 tag	5.10
2919	Horace Sourline, Burlington	1 bait net and 1 tag	.60
2920	Wm. Brookshier, Burlington	2 bait nets and 2 tags	1.20
2921	Roy Chestnut, Burlington	1 trammel net and 1 tag	5.10
2922	Ed Harrison, Le Claire	1 hoop net and 1 tag	.60
2923	Chas. Johnson, Montrose	6 hoop nets and 6 tags	3.60
2924	John Hill, Rock Island, Ill.	1 trammel net and 1 tag	5.10



## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
2925	Ralph Lee, Hampton, Ill.	1 trammel net and 1 tag	5.10
2926	Elvin Lee, Hampton, Ill.	1 trammel net and 1 tag	5.10
2927	De Lester Lee, Hampton, Ill.	1 trammel net and 1 tag	5.10
2928	John Vogel, Hampton, Ill.	1 trammel net and 1 tag	5.10
2929	John Edelman, Hampton, Ill.	1 trammel, 11 hoops, 11 tags	11.10
2930	Harry Spring, Pleasant Valley	1 trammel net and 1 tag	5.10
2931	Hugo Sukap, Pleasant Valley	5 trammel nets and 1 tag	5.10
2932	A. Bessenecker, Davenport	1 trammel, 5 hoops, 6 tags	8.10
2933	Jesse Workman, Salix	1 pound net, 8 fyke, 9 tags	5.90
2934	Henry Brahma, Bettendorf	1 hoop net and 1 tag	.60
2935	John Powell, Little Sioux	1 trammel and 1 tag	5.10
2936	Joe McAdams, Keokuk	6 hoop nets and 6 tags	3.60
2937	Nathanal C. Barnes, Keokuk	1 trammel and 1 tag	5.10
2938	Chas. Ruffcorn, Little Sioux	1 trammel, 5 hoop, 6 tags	8.10
2939	Jno. Fortner, Montrose	3 hoop nets and 3 tags	1.80
2940	Harry Kelly, Blencoe	1 trammel and 1 tag	5.10
2941	Burton Register, Pacific Jc	3 hoop nets and 3 tags	1.80
2942	J. E. Kuehl, Bettendorf	1 hoop net and 1 tag	.60
2943	J. Norster, Montrose	1 hoop net and 1 tag	.60
2944	Axel Johnson, Davenport	1 hoop net and 1 tag	.60
2945	Jas. Weise, Sabula	1 trammel and 1 tag	5.10
2946	Joseph Retzl, Bettendorf	2 hoop nets and 2 tags	1.20
2947	A. J. Larson, Onawa	1 trammel and 1 tag	5.10
2948	W. J. English, Onawa	1 trammel and 1 tag	5.10
2949	Wm. H. Kuehl, Eldridge	1 seine and 1 tag	10.10
2950	W. S. Noyes, Mondamin	1 trammel and 1 tag	5.10
2951	L. J. Hall, Dubuque	1 trammel and 1 tag	5.10
2952	E. King, Dubuque	1 seine and 1 tag	10.10
2953	C. Soles, Clayton	1 seine and 1 tag	10.10
2954	Sam Tinkley, Clayton	1 seine and 1 tag	10.10
2955	D. W. Ney, Princeton	1 trammel and 1 tag	5.10
2956	A. T. Lee, Princeton	1 trammel and 1 tag	5.10
2957	Bernard Ney, Princeton	1 trammel and 1 tag	5.10
2958	Carl Bandholtz, Bettendorf	1 hoop net and 1 tag	.60
2959	V. B. Robertson, Bettendorf	2 hoop nets and 2 tags	1.20
2960	Mathias Hay, Pleasant Valley	1 trammel and 1 tag	5.10
2961	T. R. Aten, Rockingham	1 seine, 1 trammel, 10 hoop nets and 12 tags	21.20
2962	Joe Cerney, Davenport	2 hoop nets and 2 tags	1.20
2963	Geo. Long, Sabula	2 bait nets and 2 tags	1.20
2964	A. Swift, Sabula	8 bait nets and 8 tags	4.80
2965	J. P. Busch, Sabula	2 bait nets and 2 tags	1.20
2966	J. P. Gage, Sabula	2 bait nets and 2 tags	1.20
2967	P. W. Kelley, Sabula	2 bait nets and 2 tags	1.20
2968	H. B. Marshall, Sabula	1 bait net and 1 tag	.60
2969	G. E. Hubsinger, Sabula	2 bait nets and 2 tags	1.20
2970	Edw. Bousman, Sabula	1 trammel, 10 hoop, 11 tags	11.10
2971	W. M. Guire, Sabula	1 trammel and 1 tag	5.10
2972	Joe McAdams, Keokuk	6 hoop nets and 6 tags	3.60
2973	Alf McAdams, Keokuk	1 trammel and 1 tag	5.10
2974	Dick Leferborm, Keokuk	1 hoop net and 1 tag	.60
2975	W. H. Smith, Keokuk	1 trammel and 1 tag	5.10
2976	Jno. Studor, Dubuque	1 dip net and 1 tag	.60
2977	Wm. Becker, Dubuque	1 dip net and 1 tag	.60
2978	Jno. Chaloupka	1 dip net and 1 tag	.60
2979	J. J. Doyle, Dubuque	4 hoop nets and 4 tags	2.40
2980	Jno. Mundt, Dubuque	1 trammel and 1 tag	5.10
2981	Anton Zapp, Dubuque	1 dip net and 1 tag	.60
2982	F. Boxelder, Dubuque	1 dip net and 1 tag	.60
2983	R. Thorp, Dubuque	1 dip net and 1 tag	.60
2984	W. F. Wachendorf, N. Buena Vista	1 trammel, 20 fyke, 21 tags	17.10
2985	Henry Dox, N. Buena Vista	2 hoop nets and 2 tags	1.20
2986	Kelse Gibbs, Specht Ferry	1 trammel, 15 hoop nets, 10 bait nets, 26 tags	20.10
2987	Fred Brown, Bellevue	1 trammel and 1 tag	5.10
2988	L. C. Study, McPaul	1 trammel and 1 tag	5.10
2989	D. A. Moore, Bartlett	1 trammel, 1 hoop, 2 tags	5.70
2990	R. E. Engelhart, Ft. Madison	1 trammel and 1 tag	5.10
2991	M. Gosway, Weaver	40 bait nets, 40 tags	24.00
2992	Joe Fielt, Keokuk	10 fyke nets, 10 bait nets, 20 tags	12.00
2993	Geo. Strubb, Lyons	2 pound nets, 2 fyke nets, 5 tags	4.00
2994	Jas. Zortman, Onawa	1 trammel and 1 tag	5.10
2995	Nels Dahl, Whitting	1 trammel, 1 hoop, 2 tags	5.70
2996	L. Boardman, Lansing	1 trammel (900) and 3 tags	15.30
2997	M. L. Lewis, Mondamin	1 trammel and 1 tag	5.10
2998	Fred Monck, Bettendorf	1 hoop net and 1 tag	.60

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
2999	H. Dehning, Rockingham	4 hoop nets and 4 tags	2.40
3000	Wm. Dehning, Rockingham	2 hoop nets and 2 tags	1.20
3001	Lester Terry, Bettendorf	1 trammel and 1 tag	5.10
3002	Chas. Carp, Davenport	1 trammel and 1 tag	5.10
3003	F. Allmardinger, Wapello	1 trammel and 1 tag	5.10
3004	V. B. Robertson, Bettendorf	1 trammel and 1 tag	5.10
3005	E. F. Martin, Princeton	1 hoop net and 1 tag	.60
3006	Frank Alger, Mo. Valley	1 trammel and 1 tag	5.10
3007	J. H. Vandpete, Ft. Madison	1 trammel and 1 tag	5.10
3008	H. Stender, Davenport	1 trammel and 1 tag	5.10
3009	Fred Hebert, Bettendorf	1 trammel, 8 hoop, 9 tags	9.90
3010	Wm. Marten, Rockingham	4 hoop nets and 4 tags	2.40
3011	H. Sellbrandt, Bettendorf	2 hoop nets and 2 tags	1.20
3012	Carl Johnson, Rockingham	2 hoop nets and 2 tags	1.20
3013	Jno. Anderson, Bettendorf	1 trammel and 1 tag	5.10
3014	Wm. Blake, Clayton	1 trammel and 2 tags	10.20
3015	Jno. Moore, Turkey River	1 trammel and 1 tag	5.10
3016	Sam Leonard, Bellevue	1 trammel and 1 tag	5.10
3017	Julius Belskey, Waupeton	1 trammel and 1 tag	5.10
3018	John Pape, Waupeton	1 trammel and 1 tag	5.10
3019	T. W. Beckett, Clayton	1 trammel and 1 tag	5.10
3020	Edwin Swindell, Waupeton	1 trammel, 20 hoop nets, 21 tags	17.10
3021	Henry Sangling, Guttenberg	1 trammel, 9 bait, 10 tags	10.50
3022	Sam Tinkley, Clayton	1 bait net and 1 tag	.60
3023	Jno. Hohman, Gissell Spgs.	1 dip net, 2 bait, 3 tags	5.80
3024	John Thiltgen, Spechts Ferry	6 hoop, 3 bait, 9 tags	5.40
3025	Julius Bandelous	4 fyke and 4 tags	2.40
3026	Jake Wick, Buena Vista	1 trammel and 1 tag	5.10
3027	A. C. Morris, Muscatine	1 trammel and 1 tag	5.10
3028	Willard Fickel, Princeton	1 trammel and 1 tag	5.10
3029	J. S. Tohlston, Princeton	1 trammel and 1 tag	5.10
3030	C. E. Rooks, Princeton	1 trammel and 8 hoops, 9 tags	9.90
3031	S. M. Kite, Muscatine	4 pounds, 4 tags	4.40
3032	John Johnson, Rockingham	2 hoop nets and 2 tags	1.20
3033	P. McCabe, Davenport	1 hoop net, and 1 tag	.60
3034	Frank Cole, Bettendorf	20 bait, 20 tags	12.00
3035	Sam Gilbert, Muscatine	2 bait nets, 2 tags	1.20
3036	Henry Florin, Muscatine	2 bait nets and 2 tags	1.20
3037	Thos. Thompson, Sabula	5 bait nets and 5 tags	3.00
3038	Jerry Hunderwald, Sabula	1 seine, 2 tags	20.20
3039	M. Erlick, Lansing	1 trammel and 1 tag	5.10
3040	Conrad Debeber, Keokuk	1 trammel, 2 hoop, 3 tags	0.30
3041	Frank Ketterer, Keokuk	1 trammel and 1 tag	5.10
3042	David D. Parker, Blencoe	3 hoop nets and 3 tags	1.80
3043	W. S. Dula, Salix	55 hoop nets and 55 tags	33.00
3044	Frank Bousan, New Boston	80 hoop nets and 80 tags	48.00
3045	G. C. Clark, New Boston	1 trammel and 1 tag	5.10
3046	J. C. Watts, Sloan	1 seine and 1 tag	10.10
3047	P. Suschavich, Sioux City	2 hoop nets and 2 tags	1.20
3048	E. C. Hammond, Sioux City	1 trammel, 3 hoop, 4 tags	7.40
3049	S. C. Coffie, Sergeant Bluffs	1 hoop net and 1 tag	.60
3050	Martin Chako, Bettendorf	1 trammel, 2 hoops, 4 tags	6.40
3051	Bert Lindley, Blencoe	1 seine, 40 pound nets, 20 bait nets, 62 tags	76.20
3052	D. G. Boardman, Harpers Ferry	1 trammel and 1 tag	5.10
3053	Harry Piowin, Sabula	3 bait nets and 3 tags	1.80
3054	Harry Miller, Sabula	6 hoop nets, 6 tags	3.60
3055	J. R. Wall, Mondamin	1 hoop net and 1 tag	.60
3056	W. F. Ochiner	1 hoop net and 1 tag	.60
3057	Jno. Bald, Buffalo	1 hoop net and 1 tag	.60
3058	Jno. Printnitz, Buffalo	1 hoop net and 1 tag	.60
3059	E. Westendorf, Buffalo	1 hoop net and 1 tag	.60
3060	C. L. Trout, Buffalo	5 hoop nets and 5 tags	3.00
3061	Albert McMillan, Muscatine	10 hoop nets and 10 tags	6.00
3062	Art McCarrison, Bettendorf	1 trammel and 1 tag	5.10
3063	Frank Holliday, Davenport	1 trammel and 1 tag	5.10
3064	Fritz Zoernachel, Rockingham	3 pound nets and 3 tags	3.30
3065	N. H. Faust, Bellevue	15 hoop nets and 15 tags	9.00
3066	Lloyd Niles, Bellevue	15 hoop nets, 10 fyke, 20 tags	12.00
3067	J. C. Schmidt, Bellevue	10 hoop nets and 10 tags	6.00
3068	Wm. Pust, Dubuque	10 hoop nets and 10 tags	6.00
3069	Ed. Saylor, N. Buena Vista	16 fyke nets and 16 tags	9.60
3070	J. M. Seeley, Dubuque	10 pound nets, 10 bait nets, 20 tags	17.00
3071	Henry Offerman, Sioux City	1 hoop net and 1 tag	.60
3072	C. T. Richardson, Pacific Junction	1 trammel and 1 tag	5.10
3073	John Wilson, Pacific Junction	1 seine, and 1 tag	10.10



## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3074	Ed. Lorrell, Keokuk	1 trammel and 1 tag	5.10
3075	Frank Burt, Keokuk	1 trammel and 1 tag	5.10
3076	J. A. Conlter, Smithville	1 hoop and 1 tag	.60
3077	Frank E. Fisher, Keokuk	2 hoop nets and 2 tags	1.20
3078	C. E. A. Carlson, Blencoe	1 trammel and 1 tag	5.10
3079	A. Bouldard, Onawa	1 hoop net and 1 tag	.60
3080	Christain Behns, Almont	1 trammel, 1 pound, 3 fyke, 5 tags	8.00
3081	Harry Hyer, Clinton	1 trammel, 2 bait, 3 tags	6.30
3082	John Emig, Clinton	1 trammel and 1 tag	5.10
3083	L. R. Currier, Sabula	30 hoop nets and 30 tags	15.00
3084	N. P. Strand, Davenport	1 hoop net and 1 tag	.60
3085	G. E. Brown, Muscatine	1 trammel and 1 tag	5.10
3086	M. F. Hampton, Muscatine	20 hoop nets and 20 tags	12.00
3087	Ella Murfin, Muscatine	9 hoop nets and 9 tags	5.40
3088	J. A. Rose, Muscatine	3 hoop nets and 3 tags	1.80
3089	S. Larson, Bettendorf	1 hoop net and 1 tag	.60
3090	Sander Kovalb, Bettendorf	1 dip net and 1 tag	.60
3091	John Vogt, Donnellson	1 dip net and 1 tag	.60
3092	W. F. Hoffman, Ft. Madison	1 trammel net and 1 tag	5.10
3093	Chas. Young, Ft. Madison	10 hoop nets and 10 tags	6.00
3094	James Horton, Montrose	1 trammel and 1 tag	5.10
3095	Gus Gram, West Point	1 trammel net and 1 tag	5.10
3096	Ed. Hoeling, Montrose	1 trammel and 1 tag	5.10
3097	G. Wolter, Ft. Madison	1 trammel and 1 tag	5.10
3098	Geo. Clark, Cape Point	1 pound net, 2 hoop, 3 tags	2.30
3099	Ralph Putman, Bellevue	10 hoop nets and 10 tags	6.00
3100	Wm. MacCall, Bellevue	5 hoop nets and 5 tags	3.00
3101	Chas. Hentricks, Dubuque	2 hoop nets and 2 tags	1.20
3102	G. Hartman, Cassoole	30 hoop nets, and 30 tags	15.00
3103	Clarence Cossuth, Guttenberg	2 hoops and 2 tags	1.20
3104	Albert Bietrich, Guttenberg	1 trammel net, 1 pound, 2 tags	6.20
3105	Fred Mueller, Guttenberg	1 seine, 1 trammel, 2 tags	5.10
3106	Roy Buell, Guttenberg	1 trammel and 2 tags	10.20
3107	Albert Ran, Guttenberg	1 trammel net and 1 tag	5.10
3108	Fred C. Wolf, Guttenberg	1 trammel and 1 tag	5.10
3109	John A. Wolter, Guttenberg	1 trammel and 1 tag	5.10
3110	P. Jacobs, Clayton	1 trammel and 1 tag	5.10
3111	Wm. Bramble, Specht's Ferry	1 trammel and 1 tag	5.10
3112	Martin Riedl, Dubuque	1 trammel and 1 tag	5.10
3113	John Putman, Bellevue	1 trammel and 1 tag	5.10
3114	Geo. Putman, Bellevue	1 trammel and 1 tag	5.10
3115	C. C. Lutes, Bellevue	1 trammel and 1 tag	5.10
3116	Howard Shaw, Princeton	1 trammel and 1 tag	5.10
3117	Casper Kullenberger, Muscatine	17 hoop nets and 17 tags	10.20
3118	S. S. Dolente, Buffalo	5 hoop nets and 5 tags	3.00
3119	Oscar M. Sweely, Bettendorf	2 hoop nets and 2 tags	1.20
3120	Martin Shapiro, Bettendorf	1 hoop net and 1 tag	.60
3121	J. M. King, Muscatine	1 hoop net and 1 tag	.60
3122	H. D. Dunn, Montrose	5 fyke nets and 5 tags	3.00
3123	Wm. Pelow, Sioux City	2 hoop nets and 2 tags	1.20
3124	Ed. Conz, Sioux City	6 hoop nets and 6 tags	3.00
3125	L. J. Hahn, Clinton	1 trammel and 1 tag	5.10
3126	Lome Short, Comanche	1 trammel and 1 tag	5.10
3127	M. B. Westgate, Comanche	1 seine and 1 tag	10.10
3128	H. L. Johnson, Glenwood	1 trammel and 1 tag	5.10
3129	E. L. Brown, Bartlett	1 trammel and 1 tag	5.10
3130	Clarence Hammond, Keokuk	1 trammel and 1 tag	5.10
3131	Wm. F. E. Glowe, Keokuk	1 trammel and 1 tag	5.10
3132	R. T. Anderson, Keokuk	1 trammel and 1 tag	5.10
3133	D. J. Bretemson, Keokuk	1 dip net and 1 tag	.60
3134	Raoul Houe, Salix	1 trammel and 1 tag	5.10
3135	J. A. Larson, Crescent	1 trammel and 1 tag	5.10
3136	C. H. Crispin, Council Bluffs	1 trammel and 1 tag	5.10
3137	J. R. Elgo, Council Bluffs	1 trammel and 1 tag	5.10
3138	Frank Albert, Keokuk	1 trammel and 1 tag	5.10
3139	Luther McAdams, Keokuk	1 trammel and 1 tag	5.10
3140	Ruben Lewis, Mt. Rose	1 hoop net and 1 tag	.60
3141	Robt. L. Herberer, Muscatine	1 trammel and 1 tag	5.10
3142	Wm. Lovewell, Muscatine	10 hoop nets and 10 tags	6.00
3143	Carl Ziemer, Davenport	1 hoop nets and 2 tags	1.20
3144	C. C. Mosey, Davenport	1 hoop net and 1 tag	.60
3145	Joe Petzel, Davenport	1 hoop net and 1 tag	.60
3146	A. J. Wheller, Wapello	1 seine and 1 tag	10.10
3147	Chas. E. Love, Montpelier	1 trammel and 1 tag	5.10
3148	Geo. E. Smith, Montpelier	1 trammel and 1 tag	5.10

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3150	Wm. Sprague, Montpelier	1 trammel and 1 tag	5.10
3151	Robt. Thompson, Montpelier	10 hoop nets and 10 tags	6.00
3152	Loth. McClure, Whiting	1 trammel and 1 tag	5.10
3153	Chas. Miller, Clinton	1 trammel and 1 tag	5.10
3154	Geo. Kinney, Clinton	1 trammel and 1 tag	5.10
3155	Arthur Higgins, Clinton	1 trammel and 1 tag	5.10
3156	Eugene Dugdale, Clinton	1 trammel and 1 tag	5.10
3157	W. Comstock, Clinton	1 trammel and 1 tag	8.50
3158	Roy Umberger, Lansing	5 pound net, 5 bait, 10 tags	10.10
3159	J. J. Doyle, Dubuque	2 fyke nets and 2 tags	1.20
3160	Fred Feis, Dubuque	1 dip net and 1 tag	.60
3161	Frank Grub, Dubuque	1 pound, 1 hoop, 2 tags	1.70
3162	Phillip Kress, Dubuque	1 trammel and 1 tag	5.10
3163	Clarence Cossuth, Guttenberg	1 trammel and 1 tag	5.10
3164	Fred N. Freidlein, Guttenberg	1 trammel and 1 tag	.60
3165	Geo. Rohmberg, Specht's Ferry	2 hoop nets and 2 tags	1.20
3166	Louis Ollerhofen, Dubuque	1 trammel and 1 tag	5.10
3167	Joe Blozke, Council Bluffs	1 trammel and 1 tag	5.10
3168	John Bailey, Council Bluffs	1 trammel and 1 tag	5.10
3169	Frank Sether, Council Bluffs	2 hoop nets and 2 tags	1.20
3170	John Delake, Council Bluffs	1 trammel and 1 tag	5.10
3171	J. T. Walker, Council Bluffs	10 dip nets and 10 tags	6.00
3172	Clarence Corr, Oakville	2 dip nets and 2 tags	1.20
3173	Lucas Odell, Burlington	1 trammel net, 8 bait, 9 tags	9.90
3174	Odie McPartland, Burlington	2 bait nets and 2 tags	1.20
3175	Louis Sourwine, Burlington	10 bait nets and 10 tags	6.00
3176	Ellie Burt, Burlington	10 bait nets and 10 tags	3.00
3177	Lee Long, Burlington	5 bait nets and 5 tags	.60
3178	John R. West, Burlington	1 bait net and 1 tag	.60
3179	C. P. Abrisa, Burlington	1 hoop net and 1 tag	.60
3180	Ralph Rothlauf, Burlington	1 hoop net and 1 tag	.60
3181	Earl York, Bettendorf	1 trammel and 1 tag	5.10
3182	John R. Wall, Mendamin	1 trammel and 1 tag	5.10
3183	C. West, Council Bluffs	1 trammel and 1 tag	5.10
3184	John Clemenson, Council Bluffs	1 trammel and 1 tag	5.10
3185	L. J. Hurley, Missouri Valley	10 hoop nets and 10 tags	6.00
3186	C. Maynard, Potosio	10 hoops and 10 tags	12.30
3187	A. E. Allen, Ft. Madison	1 trammel, 12 hoops, 13 tags	4.80
3188	Wm. Kammerer, Ft. Madison	8 hoop nets and 8 tags	10.80
3189	Ed Green, Potosio	1 trammel and 1 tag	5.10
3190	D. Amerine, Potosio	5 hoop nets and 5 tags	3.00
3191	C. I. Baird, Muscatine	1 hoop net and 1 tag	.60
3192	Joe Vilmaire, Davenport	1 hoop net and 1 tag	1.80
3193	Frank Gardner, Davenport	3 hoop nets and 3 tags	6.00
3194	Sam Peterson, Milan, Ill.	10 hoop nets and 10 tags	5.10
3195	F. H. Putman, Montpelier	1 trammel and 1 tag	5.10
3196	Claude Crapp, LeClaire	1 trammel and 1 tag	3.00
3197	E. Bissick, LeClaire	5 hoop nets and 5 tags	2.40
3198	Louis Morey, Princeton	4 hoop nets and 4 tags	.60
3199	A. C. Brandt, Muscatine	1 hoop net and 1 tag	5.10
3200	John N. Harris, Davenport	1 trammel and 1 tag	5.10
3201	T. Batcheller, Council Bluffs	1 trammel and 1 tag	5.10
3202	Paul Hledik, Council Bluffs	1 trammel and 1 tag	5.10
3203	G. W. Carter, Council Bluffs	1 trammel and 1 tag	5.10
3204	Wm. Platt, Comanche	1 trammel and 1 tag	5.10
3205	H. F. Horn, Comanche	1 trammel and 1 tag	5.10
3206	Ed. Mesinger, Comanche	1 trammel, 2 hoop nets, 3 tags	6.30
3207	Henry I. Slegtenhorst, Clinton	1 trammel and 1 tag	5.10
3208	Roy Wright, Pacific Jc.	2 hoop nets and 2 tags	1.20
3209	W. H. Haney, Glenwood	2 hoop nets and 2 tags	1.20
3210	Chas. Richelmer, Bettendorf	2 hoop nets and 2 tags	6.90
3211	Frank Snell, Davenport	1 trammel, 3 hoop, 4 tags	5.10
3212	Roy Wilson, Davenport	1 trammel and 1 tag	5.10
3213	Lester Noble, Princeton	1 trammel and 1 tag	5.10
3214	Lee G. Sulter, LeClaire	1 trammel and 1 tag	5.10
3215	C. C. Paulsen, Pleasant Valley	1 trammel and 1 tag	5.10
3216	Geo. L. Boston, Bettendorf	1 trammel and 1 tag	.60
3217	E. Nolte, Muscatine	1 dip net and 1 tag	9.00
3218	John W. Shane, Burlington	15 bait nets and 15 tags	.60
3219	Roy Chesnut, Burlington	1 bait net and 1 tag	1.20
3220	J. D. Pierce, Burlington	2 bait nets and 2 tags	1.20
3221	John H. Schultz, Burlington	2 bait nets and 2 tags	1.20
3222	Chas. Walter Ryan, Burlington	4 bait nets and 4 tags	1.20
3223	Ezra Gardner, Burlington	2 bait nets and 2 tags	1.20
3224	Joe Fairbanks, Burlington	2 bait nets and 2 tags	1.20
3225	Henry Gardiner, Burlington	1 trammel and 1 tag	5.10
3226	Ed. Saylor, N. Buena Vista	1 trammel and 1 tag	5.10



## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3227	Herman Hehr, Dubuque	1 pound net and 1 tag	.60
3228	Peter Knorr, Dubuque	1 hoop net and 1 tag	.60
3229	St. C. Ede, Dubuque	1 hoop net and 1 tag	.60
3230	Wm. Rust, Dubuque	1 seine and 1 tag	10.10
3231	A. Siegel, Dubuque	1 hoop net and 1 tag	.60
3232	Jake Wick, N. Buena Vista	1 seine and 1 tag	10.10
3233	J. L. Lovell, Keokuk	1 trammel and tag	5.10
3234	J. G. Harter, Logan	1 trammel and 1 tag	5.10
3235	Frank Kocher, Council Bluffs	1 trammel and 1 tag	5.10
3236	Henry W. Hofmeister, Council Bluffs	1 trammel and 1 tag	5.10
3237	Ralph Hayes, Ft. Madison	4 hoop nets and 4 tags	2.40
3238	Wm. Reynolds, Ft. Madison	8 hoop nets and 8 tags	4.80
3239	T. M. Hadlock, Ft. Madison	10 hoop nets and 10 tags	6.00
3240	Sam Gasaway, N. Buena Vista	10 hoop nets and 10 tags	12.00
3241	Jas. Townsend, Peotone	10 hoop nets and 10 tags	6.00
3242	J. E. Baister, Ft. Madison	20 hoop nets and 20 tags	12.00
3243	Eugene Shafer, Ft. Madison	20 hoop nets and 20 tags	12.00
3244	Albert Jones, Ft. Madison	20 hoop nets and 20 tags	12.00
3245	P. C. Rowe, Ft. Madison	40 hoop nets and 40 tags	24.00
3246	Wm. Loyer, Dallas City	1 trammel, 20 hoop, 31 tags	12.10
3247	Emerald Murphy, Ft. Madison	1 trammel, 30 hoop, 31 tags	25.10
3248	J. J. Schmidt, Ft. Madison	1 trammel and 1 tag	5.10
3249	Gilbert Worley, Ft. Madison	1 trammel and 1 tag	5.10
3250	Anton Heson, Council Bluffs	1 trammel and 1 tag	5.10
3251	Frank Sneath, Council Bluffs	1 hoop net and 1 tag	.60
3252	Geo. P. Whitney, Sabula	1 trammel and 1 tag	.60
3253	John Kumpel, Sabula	2 bait nets and 2 tags	1.20
3254	Henry C. Klatte, Modale	1 trammel, 2 hoop, 3 tags	.60
3255	K. A. Schenck, Davenport	1 seine and 1 tag	10.10
3256	Chas. Begerkuhn, Davenport	1 trammel and 1 tag	5.10
3257	Oscar M. Sweely, Bettendorf	1 trammel and 1 tag	5.10
3258	Wm. C. Hapner, Davenport	1 trammel and 1 tag	5.10
3259	Henry Bent, Davenport	1 trammel and 1 tag	5.10
3260	Chas. Faulkner, Muscatine	1 trammel and 1 tag	5.10
3261	Geo. Snider, Muscatine	2 bait nets and 1 tag	1.20
3262	C. G. Johnson, McPaul	1 trammel and 1 tag	5.10
3263	J. E. Matthews, Hamburg	5 hoop nets and 5 tags	3.00
3264	D. M. C. Wright, Mediapolis	1 trammel and 1 tag	5.10
3265	Jacob Fatera, Council Bluffs	1 trammel and 1 tag	5.10
3266	Chris. Yoger, Missouri Valley	1 pound net and 1 tag	1.10
3267	Ethan Allen, Ft. Madison	1 trammel and 1 tag	5.10
3268	Otis Pemberton, Ft. Madison	20 hoop nets and 20 tags	12.00
3269	E. E. Foster, Ft. Madison	10 hoop nets and 10 tags	6.00
3270	Geo. Toole, Ft. Madison	10 hoop nets and 10 tags	6.00
3271	Edgar Wagner, Ft. Madison	40 hoop nets and 40 tags	24.00

1917

3272	A. Statter, Harting	1 trammel and 1 tag	5.10
3273	G. W. Ede, Dubuque	1 hoop net and 1 tag	.60
3274	J. F. Burcham, Mondamin	1 trammel and 1 tag	5.10
3275	Tom Depton, Council Bluffs	1 trammel and 1 tag	5.10
3276	B. F. Strange, Keokuk	4 hoop nets and 4 tags	2.40
3277	P. F. Gorham, Onawa	1 trammel and 1 tag	5.10
3278	John E. Yeatch, Onawa	6 hoops and 6 tags	3.60
3279	Pete C. Petersen, Onawa	1 hoop net and 1 tag	.60
3280	John Mathys, Onawa	2 hoop nets and 2 tags	1.20
3281	Geo. Clarke, Eagle Point	1 seine and 1 tag	10.10
3282	J. C. Brandenburg, Turkey River	1 seine and 1 tag	10.10
3283	H. L. Havill, Dubuque	1 trammel and 1 tag	5.10
3284	Fred Clow, Dubuque	1 trammel and 1 tag	5.10
3285	Herman Clow, Dubuque	1 dip net and 1 tag	.60
3286	Wm. Jones, Dubuque	1 dip net and 1 tag	.60
3287	W. H. Lyons, Dubuque	5 hoop nets and 5 tags	3.00
3288	John Evans, Muscatine	1 trammel and 1 tag	5.10
3289	Emmett Philled, Davenport	1 trammel and 1 tag	5.10
3290	O. J. Keeler, Buffalo	1 trammel and 1 tag	5.10
3291	O. Alden, Muscatine	2 bait nets and 2 tags	1.20
3292	Milo Green, Council Bluffs	1 trammel and 1 tag	5.10
3293	Elise P. Green, California	1 trammel and 1 tag	5.10
3294	Aaron Sallday, Ft. Madison	1 trammel and 1 tag	5.10
3295	B. J. Osburg, Ft. Madison	1 trammel and 1 tag	5.10
3296	Ferd Fisher, Davenport	1 seine and 1 tag	10.10
3297	Henry Jurgens, Davenport	4 hoop nets and 4 tags	2.40

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3298	A. C. Jacobson, Davenport	1 hoop net and 1 tag	.60
3299	Elmer Leibert, Bettendorf	1 hoop net and 1 tag	.60
3300	R. W. Palmer, Bettendorf	1 hoop net and 1 tag	.60
3301	Jas. W. Johnson, Davenport	1 hoop net and 1 tag	.60
3302	Henry Seisling, Guttenberg	1 seine and 2 tags	20.00
3303	Sam Tinker, Clayton	1 seine and 1 tag	5.10
3304	Dave Tinker, Guttenberg	1 seine and 1 tag	10.10
3305	C. H. Swaffield, Dubuque	1 trammel and 1 tag	5.10
3306	L. Beeten, Clayton	1 trammel and 1 tag	5.10
3307	Fred Froelich, Guttenberg	1 trammel and 1 tag	5.10
3308	Emil Knoch, Guttenberg	1 trammel and 1 tag	5.10
3309	August Roderberg, Guttenberg	1 trammel and 1 tag	5.10
3310	Wm. Farguar, Dubuque	1 dip net and 1 tag	.60
3311	Achiel DeFarew, Pleasant Valley	1 seine and 1 tag	10.10
3312	Dan Harris, Prutland	1 trammel and 1 tag	5.10
3313	Chas. W. Hollins, Muscatine	4 hoop nets and 4 tags	2.40
3314	Oscar M. Sweely, Bettendorf	1 hoop net and 1 tag	.60
3315	Peter Susavitch, Sioux City	1 trammel, 2 hoop nets, 3 tags	6.30
3316	J. W. Berry, Sioux City	1 trammel, 8 hoop nets, 9 tags	9.90
3317	V. H. Blemer, Sabula	2 bait nets and 2 tags	1.20
3318	Geo. Whitney, Sabula	2 bait nets and 2 tags	1.20
3319	Lee Swanson, Davenport	1 bait net and 1 tag	.60
3320	Leonard W. Watkins, Bettendorf	1 hoop net and 1 tag	.60
3321	Ed. Meade, Lee Co.	20 hoop nets and 20 tags	12.00
3322	C. J. Dole, Keokuk	1 hoop net and 1 tag	.60
3323	Olaf Krosch, W. Burlington	1 trammel and 1 tag	5.10
3324	Roy Chestnut, Burlington	1 trammel and 1 tag	5.10
3325	Frank Cisma, Burlington	20 hoop nets and 20 tags	12.00
3326	R. T. Smith, Weaver	12 bait nets and 12 tags	7.20
3327	F. M. Fulton, Burlington	2 bait nets and 2 tags	1.20
3328	Harry Rogers, Weaver	1 bait net and 1 tag	.60
3329	Willard Hollingsworth, Burlington	1 bait net and 1 tag	.60
3330	J. A. Dushman, Burlington	1 dip net and 1 tag	.60
3331	Otis Boock, Sioux City	3 hoop nets and 3 tags	1.80
3332	E. L. Cople, Salts	1 trammel and 1 tag	5.10
3333	Adolph Adams, Sergeant Bluff	6 hoop nets and 6 tags	3.60
3334	Newton Hamel, Keokuk	1 hoop net and 1 tag	.60
3335	Fred Xistenmacher, Davenport	9 bait nets and 9 tags	5.40
3336	John Lorenzen, Davenport	1 trammel and 1 tag	5.10
3337	A. J. Saphire, Cordova, Ill.	1 trammel and 1 tag	5.10
3338	Jas. J. Vogel, Hampton, Ill.	1 trammel and 1 tag	5.10
3339	Achiel De Smet, Rock Island, Ill.	1 trammel and 1 tag	5.10
3340	Edw. C. Gilkey, LeClaire	2 hoop nets and 2 tags	1.20
3341	Geo. Looges, Davenport	1 hoop net and 1 tag	.60
3342	Dick E. Rook, Rockingham	1 hoop net and 1 tag	.60
3343	Rud Hass, Davenport	1 hoop net and 1 tag	.60
3344	Emil Goetsch, Bettendorf	1 hoop net and 1 tag	.60
3345	Tim Saliady, Ft. Madison	1 trammel and 1 tag	5.10
3346	Andrew Penrod, Ft. Madison	1 trammel, 6 hoop nets, 7 tags	8.70
3347	E. Gosen, Clinton	1 trammel and 1 tag	5.10
3348	M. B. Westgate, Comanche	1 trammel and 2 tags	10.20
3349	C. U. Scott, Davenport	1 dip net and 1 tag	.60
3350	Chris. Christianson, Sioux City	1 trammel and 1 tag	5.10
3351	M. E. Bowles, Council Bluffs	2 hoop nets and 2 tags	1.20
3352	John Delide, Council Bluffs	1 trammel and 1 tag	5.10
3353	Ed. Antrim, Clayton	1 seine and 1 tag	10.10
3354	J. F. Schwartz, Dubuque	1 dip net and 1 tag	.60
3355	J. E. Densmore, Sabula	2 bait nets and 2 tags	1.20
3356	L. H. Barber, Clinton	1 hoop net and 1 tag	.60
3357	Carl Holth, Davenport	1 hoop net and 1 tag	.60
3358	Richard Gadiant, Davenport	1 hoop net and 1 tag	.60
3359	Louis Senninger, Davenport	3 hoop nets and 3 tags	1.80
3360	Harris Valley, Davenport	5 hoop nets and 5 tags	3.00
3361	Frank Holliday, Davenport	6 bait nets and 6 tags	3.60
3362	Frank O. Tworoch, Davenport	1 seine and 1 tag	10.10
3363	Wm. H. Parrish, Davenport	8 hoop nets and 8 tags	4.80
3364	Kaiman Cook, Buffalo	6 hoop nets and 6 tags	3.60
3365	A. C. Hoffman, Davenport	1 hoop net and 1 tag	.60
3366	Fred Pittman, Rockingham	6 hoop net and 1 tag	.60
3367	E. T. Weldon, Mondamin	1 trammel, 5 hoop nets, 6 tags	8.10
3368	Jas. D. Stanton, Keokuk	4 tags, 4 hoop nets	2.40
3369	Chas. De Voe, Clayton	1 seine and 1 tag	10.10
3370	Ira M. Pierce, N. Buena Vista	1 seine and 1 tag	10.10
3371	Otis Pemberton, Ft. Madison	10 hoop nets and 10 tags	6.00
3372	F. McAlexander, McPaul	1 trammel and 1 tag	5.10
3373	J. H. Moyers, McPaul	1 trammel and 1 tag	5.10
3374	Ed. Williams, Bartlett	2 hoop nets and 2 tags	1.20

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3375	Dave Emerson, Burlington	20 bait nets and 20 tags	12.00
3376	Wm. Brookhiser, Burlington	2 bait nets and 5 tags	3.00
3377	Oscar West, Burlington	3 bait nets and 3 tags	1.80
3378	Thos. F. Meagher, Weaver	1 trammel and 1 tag	5.10
3379	Elmer Crowmover, Sloan	1 trammel and 2 tags	5.20
3380	S. Hockerman, Bettendorf	1 hoop net and 1 tag	.60
3381	Frank Lemmon, Bettendorf	1 hoop net and 1 tag	.60
3382	Joe Havens, Davenport	1 hoop net and 1 tag	.60
3383	John C. Fitzgerald, Davenport	2 hoop nets and 2 tags	1.20
3384	Frank Marand, LeClaire	1 trammel and 1 tag	5.10
3385	C. T. White, Davenport	1 trammel, 1 hoop net, 2 tags	5.70
3386	John Morris, Sioux City	1 trammel, 4 hoop nets, 5 tags	12.50
3387	P. T. Gorham, Onawa	2 hoop nets and 2 tags	1.20
3388	Wm. Deming, Ft. Madison	8 hoop nets and 8 tags	4.80
3389	W. L. Reif, Ft. Madison	20 hoop nets and 20 tags	12.00
3390	J. A. Larson, Crescent	2 hoop nets and 2 tags	1.20
3391	C. H. Crispin, Crescent	2 hoop nets and 2 tags	3.20
3392	David Harding, California	5 hoop nets and 5 tags	3.00
3393	Laurence Daut, Calif. Jr.	1 trammel, 6 hoop nets, 7 tags	8.70
3394	Howard Hough, Crescent	1 seine and 1 tag	10.10
3395	Sandy Andrews, Council Bluffs	1 seine and 1 tag	10.10
3396	L. R. Currier, Sabula	1 seine and 1 tag	5.10
3397	John Putman, Bellevue	10 bait nets and 10 tags	6.00
3398	Geo. Putman, Bellevue	3 fyke nets and 3 tags	1.80
3399	Joseph Jensen, Dubuque	3 hoop nets and 3 tags	1.80
3400	Herman Stump, Dubuque	1 trammel and 1 tag	5.60
3401	Wm. Wachendorf, N. Buena Vista	1 seine and 1 tag	5.10
3402	Roy Unberger, Cassville, Wis.	1 seine, 1 trammel, 2 tags	15.20
3403	Jake Wick, N. Buena Vista	1 trammel and 1 tag	5.10
3404	Will Eger, Muscatine	1 trammel and 1 tag	5.10
3405	S. Bell, Fairport	8 hoop nets and 8 tags	4.80
3406	Wm. Whitman, Fairport	5 hoop nets and 5 tags	2.50
3407	W. A. Seiright, Muscatine	4 hoop nets and 4 tags	2.40
3408	John White, Muscatine	3 hoop nets and 3 tags	1.80
3409	Wm. F. Meves, Pleasant Valley	1 hoop net and 1 tag	.60
3410	Wm. Overman, Pleasant Valley	1 trammel and 1 tag	.60
3411	W. H. Miller, Ft. Madison	1 seine and 1 tag	10.10
3412	Geo. Weatherby, Missouri Valley	1 seine and 1 tag	10.10
3413	John Martin, Ft. Madison	15 hoop nets and 15 tags	9.00
3414	Herold Wagner, Ft. Madison	20 hoop nets and 20 tags	12.00
3415	Walter Schultz, Sabula	1 trammel and 1 tag	5.10
3416	Milt Greenwood, Clayton	1 seine and 1 tag	10.10
3417	Wm. McCalley, Bellevue	1 seine and 1 tag	10.10
3418	Emil Hedrick, Dubuque	1 trammel and 1 tag	5.10
3419	F. Jacobs, Clayton	1 trammel and 1 tag	5.10
3420	C. B. Hatfield, Spechts Ferry	9 hoop nets and 9 tags	5.40
3421	Henry Van Kump, Bettendorf	1 dip net and 1 tag	.60
3422	Louis Hougr, Rockingham	1 hoop net and 1 tag	.60
3423	Tom Hardy, Rockingham	1 trammel and 1 tag	5.10
3424	Axel Johnson, Moline, Ill.	5 hoop nets and 5 tags	3.00
3425	F. L. Smith, Cordova, Ill.	1 seine and 1 tag	10.10
3426	E. F. Rathburn, Cordova, Ill.	1 seine and 1 tag	10.10
3427	Wm. Temeel, Blue Grass	1 seine and 1 tag	10.10
3428	Claus Graap, LeClaire	10 hoop nets and 10 tags	6.00
3429	Reuben Hopkins, Comanche	1 trammel and 1 tag	5.10
3430	Ross McArdle, Clinton	1 trammel and 1 tag	5.10
3431	Frank Hockett, Clinton	1 trammel and 1 tag	5.10
3432	Ole Olson, Clinton	1 trammel and 1 tag	5.10
3433	J. J. Houston, Mt. Rose	10 hoop nets and 10 tags	6.00
3434	John McCann, Ft. Madison	30 hoop nets and 30 tags	18.00
3435	Zee Hartman, Sabula	17 hoop nets and 17 tags	10.20
3436	C. E. Brown, Dubuque	1 trammel and 1 tag	5.10
3437	Frank Forney, Thurmont	1 trammel and 1 tag	5.10
3438	John Hiko, Folsom	1 seine and 1 tag	10.10
3439	John Hanson, Burlington	10 bait nets and 10 tags	6.00
3440	Wm. McDaniels, Burlington	20 bait nets and 2 tags	10.10
3441	Jas. E. Jones, Burlington	6 bait nets and 6 tags	3.60
3442	Ed. Nerotman, Burlington	1 trammel and 1 tag	5.10
3443	John L. Stephens, Burlington	7 bait nets and 7 tags	4.20
3444	W. M. Morgan, Kingston	1 seine and 1 tag	10.10
3445	Sebe G. Robs, Spechts Ferry	1 seine and 1 tag	10.10
3446	Don Valley, Prairie Du Chien, Wis.	1 seine and 1 tag	10.10
3447	Lloyd Niles, Bellevue	1 seine and 1 tag	10.10
3448	Wm. A. McCalley, Bellevue	1 seine and 1 tag	10.10
3449	Ben Holman, Weaver	1 trammel and 1 tag	5.10
3450	Walter Crawford, Weaver	14 fyke nets and 14 tags	8.40
3451	Dell Ham, Hancock, Ill.	14 fyke nets and 14 tags	8.40

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3452	John Stumpf, Council Bluffs	8 hoop nets and 8 tags	4.80
3453	Claude A. Stuart, Nebr. Nat'l Guards	1 trammel and 1 tag	5.10
3454	M. Ehrlich, Lansing	1 seine and 2 tags	20.00
	N. J. Bever, Deputy, Ft. Madison	Sale of fish from conf. nets	2.00
	N. J. Bever, Deputy, Ft. Madison	Sale of 13 nets, sale of fish	36.50
4151	H. H. Lyons, Dallas City	10 bait nets and 10 tags	6.00
4152	Wm. Rice, Dallas City	15 fyke nets, 15 bait nets, 30 tags	18.00
4153	Hiram Scott, Dallas City	1 trammel, 20 bait nets and 21 tags	17.10
4154	Geo. Hasdins, Dallas City	1 trammel and 1 tag	5.10
4155	Ralph Buel, Dallas City, Ill.	40 bait nets and 40 tags	24.00
3455	J. C. Watts, Sloan	1 trammel, 4 hoop nets, 6 tags	7.60
3456	Harry Kelly, Blencoe	1 seine, 1 trammel, 2 tags	15.00
3457	W. S. Noyes, Mondamin	1 trammel, and 1 tag	5.10
3458	Elmer Crowmover, Sloan	1 trammel, 6 hoop nets, 7 tags	8.70
3459	J. F. Burcham, Mondamin	1 trammel and 1 tag	5.10
3460	Jesse Workman, Salix	2 pound nets, 5 fyke, 7 tags	5.20
3461	Thos. R. Aton, Rockingham	1 seine, 1 trammel, 10 hoop nets and 12 tags	21.20
3462	Hugo Sokup, Bettendorf	1 trammel and 1 tag	5.10
3463	T. J. Brus, Blue Grass	1 trammel and 1 tag	5.10
3464	P. A. McCabe, Davenport	1 trammel and 1 tag	5.10
3465	Mott Hay, Pleasant Valley	1 trammel, 4 hoop nets, and 5 tags	7.50
3466	Louis Tedder, Bettendorf	3 hoop nets and 3 tags	1.80
3467	Joe Cerny, Davenport	3 hoop nets and 3 tags	1.80
3468	S. Larson, Bettendorf	1 hoop net and 1 tag	.60
3469	Peter Givin, Bettendorf	1 hoop net and 1 tag	.60
3470	Oscar McSweeney, Bettendorf	4 hoop nets and 4 tags	2.40
3471	Earl Sweet, Bettendorf	1 hoop net and 1 tag	.60
3472	John Stauder, Dubuque	1 dip net and 1 tag	.60
3473	Wm. Heller, Dubuque	1 seine and 1 tag	.60
3474	Sam Tinkey, Clayton	1 seine and 1 tag	10.10
3475	John Chaloupka, Dubuque	1 dip net and 1 tag	.60
3476	Peter Lamy, Dubuque	2 hoop nets and 2 tags	1.20
3477	Wm. Brookhiser, Burlington	4 bait nets and 4 tags	2.40
3478	Chas. Ducan, Keokuk	1 trammel and 1 tag	5.10
3479	R. T. Anderson, Keokuk	1 trammel and 1 tag	5.10
3480	Dirk Lefebvre, Keokuk	1 trammel and 1 tag	5.10
3481	Harvey McGuire, Sioux City	5 hoop nets and 5 tags	3.00
3482	D. A. Moore, Bartlett	1 trammel, 1 hoop, 2 tags	5.70
3483	A. J. Larson, Onawa	1 trammel and 1 tag	5.10
3484	Joe McAdams, Keokuk	12 hoop nets and 12 tags	7.20
3485	F. E. Fisher, Keokuk	1 trammel and 1 tag	5.10
3486	John L. Still, E. Moline, Ill.	1 trammel and 1 tag	5.10
3487	Elmer B. LaGrange, Hampton, Ill.	1 trammel and 1 tag	5.10
3488	Elwin Lee, Hampton, Ill.	1 trammel and 1 tag	5.10
3489	John Edelman, Hampton, Ill.	1 trammel, 10 hoop nets, 11 tags	11.10
3490	Jas. J. Vogel, Hampton, Ill.	1 trammel and 1 tag	5.10
3491	John A. Vogel, Hampton, Ill.	1 trammel and 1 tag	5.10
3492	J. E. Kuehl, Bettendorf	1 hoop net and 1 tag	.60
3493	Earl Perry, Bettendorf	1 trammel and 1 tag	5.10
3494	R. H. White, Bettendorf	1 hoop net and 1 tag	.60
3495	Henry Brahms, Bettendorf	1 hoop net and 1 tag	.60
3496	Frank Henke, Davenport	1 hoop net and 1 tag	.60
3497	Roy Evans, Davenport	1 hoop net and 1 tag	.60
3498	Geo. Simon, Davenport	1 hoop net and 1 tag	.60
3499	Walter H. Wells, Eldridge	1 trammel, 2 hoop nets, 3 tags	6.30
3500	Wm. H. Kuehl, Eldridge	1 seine and 1 tag	10.10
3501	C. F. Whitney, Lansing	1 trammel and 1 tag	5.10
3502	Wm. F. Zehl, Waukon, Ia.	2 seines, 10 pound nets, 12 tags	32.00
3503	Ed. Hoening, Montrose	1 trammel and 1 tag	5.10
3504	Ed. Warner, Ft. Madison	1 trammel and 1 tag	5.10
3505	Joe Schmidt, Ft. Madison	1 trammel and 1 tag	5.10
3506	W. H. Miller, Ft. Madison	1 trammel and 1 tag	5.10
3507	H. Choemer, Ft. Madison	1 trammel and 1 tag	5.10
3508	Andrew Panrod, Ft. Madison	1 trammel, 24 hoop nets, 26 tags	20.10
3509	Emerald Murphy, Ft. Madison	1 seine, 1 trammel, 50 hoop nets and 52 tags	45.20
3510	John McCann, Ft. Madison	30 hoop nets and 30 tags	18.00
3511	Albert Jones, Ft. Madison	20 hoop nets and 20 tags	12.00
3512	Otis Pemberton, Ft. Madison	35 hoop nets and 35 tags	21.00
3513	C. P. Rowe, Ft. Madison	65 hoop nets and 65 tags	39.00
3514	Edgar Wagner, Ft. Madison	60 hoop nets and 60 tags	36.00
3515	J. P. Gage, Sabula	2 bait nets and 2 tags	1.20



## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3516	James Wise, Sabula.	1 trammel and 1 tag	5.10
3517	C. A. Freeman, Sioux City.	1 trammel, 4 hoop nets, 5 tags	7.50
3518	Otis Brock, Sioux City.	4 hoop nets and 4 tags	2.40
3519	Wm. Martens, Rockingham.	1 trammel, 8 hoop nets, 9 tags	9.90
3520	Geo. L. Boston, Bettendorf.	1 trammel and 1 tag	5.10
3521	Bernard Noy, Princeton.	1 trammel and 1 tag	5.10
3522	Dan W. Noy, Princeton.	1 trammel and 1 tag	5.10
3523	Frank Rook, Princeton.	1 trammel and 1 tag	5.10
3524	Archle De Smet, Rock Island.	1 trammel and 1 tag	5.10
3525	Frank A. Cole, Bettendorf.	1 trammel and 1 tag	5.10
3526	Lester Noble, Princeton.	1 trammel, 1 hoop, 2 tags	5.70
3527	Harry Stender, Davenport.	1 trammel and 1 tag	5.10
3528	Oscar Peterson, Davenport.	4 pound nets and 4 tags	4.40
3529	John Johnson, Rockingham.	2 hoop nets and 2 tags	1.20
3530	Carl Zehroth, Davenport.	1 pound net and 1 tag	1.10
3531	H. W. Slevor, Davenport.	1 hoop net and 1 tag	.60
3532	John Johnson, Davenport.	1 dip net and 1 tag	.60
3533	Henry VanKampen, Bettendorf.	3 hoop nets and 3 tags	1.80
3534	Joe Rital, Bettendorf.	2 hoop nets and 2 tags	1.20
3535	V. B. Robertson, Bettendorf.	25 bait nets and 55 tags	33.00
3536	Frank Brouser, New Britain, Ill.	5 bait nets and 5 tags	3.00
3537	P. B. Anderson, Burlington.	30 bait nets and 30 tags	18.00
3538	Mat Gasaway, Weaver.	20 bait nets and 20 tags	12.00
3539	Frank Glens, Weaver.	1 trammel and 1 tag	5.10
3540	C. P. Richardson, Pacific Jc.	3 hoop nets and 3 tags	1.50
3541	Burton Register, Pacific Jc.	1 trammel and 1 tag	5.10
3542	Tim Salladay, Ft. Madison.	2 hoop nets and 2 tags	1.20
3543	John Fortner, Montrose.	1 trammel and 1 tag	5.10
3544	Jas. Zartman, Onawa.	1 hoop net and 1 tag	.60
3545	W. J. English, Onawa.	1 hoop net and 1 tag	.60
3546	Thos. Harris, Onawa.	1 hoop net and 1 tag	.60
3547	W. W. Ettemen, Percival.	1 hoop net and 1 tag	.60
3548	Fred Moenck, Bettendorf.	1 dip net and 1 tag	.60
3549	Anton Zapf, Dubuque.	1 dip net and 1 tag	.60
3550	Frank Cruz, Dubuque.	1 dip net and 1 tag	.60
3551	Julius Bloch, Dubuque.	1 dip net and 1 tag	.60
3552	Herman Clow, Dubuque.	3 hoop nets and 3 tags	1.80
3553	Joseph Benson, Dubuque.	1 trammel and 1 tag	5.10
3554	John Ramsey, Clayton.	1 trammel and 1 tag	5.10
3555	P. Jacobs, Clayton.	1 trammel and 1 tag	5.10
3556	S. W. Beckett, Clayton.	1 trammel and 1 tag	5.10
3557	Wm. Blake, Clayton.	1 trammel and 1 tag	5.10
3558	L. Beeten, Clayton.	1 trammel and 1 tag	5.10
3559	Roy Resch, Clayton.	1 trammel and 1 tag	5.10
3560	Ed. Antrim, Clayton.	1 seine, 1 trammel, 2 tags	15.20
3561	Sam Tinkey, Clayton.	1 trammel, 4 fyke nets, 8 bait nets, 13 tags	12.30
3562	J. R. Coulter, Keokuk.	1 hoop net and 1 tag	.60
3563	B. F. Strasse, Keokuk.	1 trammel, 3 hoop nets, 4 tags	6.90
3564	Wm. H. Smith, Keokuk.	1 trammel and 1 tag	5.10
3565	Geo. L. Deamond, Keokuk.	1 trammel and 1 tag	5.10
3566	Jefferson Norsted, Montrose.	1 hoop and 1 tag	.60
3567	E. C. Hammond, Sioux City.	3 hoop nets, 3 tags	1.80
3568	G. C. Clark, New Boston.	2 trammel nets, 80 hoop nets and 3 tags	63.30
3569	Howard Shaw, Princeton.	1 trammel and 1 tag	5.10
3570	Vance Poston, Princeton.	1 trammel and 1 tag	5.10
3571	Joe Vilander, Davenport.	3 hoop nets and 3 tags	3.30
3572	Otto Seebach, Bettendorf.	2 hoop nets and 2 tags	1.20
3573	R. W. Palmer, Bettendorf.	2 hoop nets and 2 tags	.90
3574	John Andrews, Bettendorf.	2 hoop nets and 2 tags	1.20
3575	Carl Bandholz, Bettendorf.	1 hoop net and 1 tag	.60
3576	Aaron Saliday, Ft. Madison.	1 trammel net and 1 tag	5.10
3577	Ethan Allen, Ft. Madison.	1 trammel net, 4 hoop nets and 8 tags	7.50
3578	J. S. Winter, Ft. Madison.	3 hoop nets and 3 tags	1.80
3579	Chas. Young, Ft. Madison.	10 hoop nets and 10 tags	6.00
3580	Wm. Demming, Ft. Madison.	10 hoop nets and 10 tags	6.00
3581	John Martin, Ft. Madison.	15 hoop nets and 15 tags	9.00
3582	Geo. Demming, Ft. Madison.	19 hoop nets and 19 tags	11.40
3583	Leonard Palmer, Ft. Madison.	20 hoop nets and 20 tags	12.00
3584	Delbert Reynolds, Ft. Madison.	1 trammel and 20 hoop nets, 21 tags	17.10
3585	Joseph Bainter, Ft. Madison.	25 hoop nets and 25 tags	15.00
3586	Joe Murphy, Ft. Madison.	30 hoop nets and 30 tags	18.00
3587	Harold Wagner, Ft. Madison.	50 hoop nets and 50 tags	30.00
3588	J. A. Chapin, Waukon Jc.	1 trammel and 1 tag	5.10

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3589	F. C. Goodsey, Pacific Jc.	1 trammel and 1 tag	5.10
3590	Geo. Maxwell, Bartlett.	1 trammel and 1 tag	5.10
3591	L. C. Study, McPaul.	1 trammel and 1 tag	5.10
3592	G. C. Strubb, Clinton.	3 pound nets, 5 fyke nets, 8 tags	6.30
3593	Conrad Lefebvre, Keokuk.	1 trammel and 1 tag	5.10
3594	W. B. Ryland, Keokuk.	1 trammel and 1 tag	5.10
3595	C. M. Densmore, Sabula.	2 trammel nets and 2 tags	10.20
3596	Walter Schultz, Sabula.	1 trammel and 1 tag	5.10
3597	Sam Gilbert, Muscatine.	20 hoop nets and 20 tags	12.00
3598	All McMiller, Muscatine.	10 hoop nets and 10 tags	6.00
3599	Geo. E. Brown, Muscatine.	1 trammel and 1 tag	5.10
3600	Herman Sellbrandt, Bettendorf.	1 trammel, 4 hoop nets, 5 tags	7.50
3601	Fritz Zoernachal, Davenport.	3 pound nets and 3 tags	3.30
3602	Henry Dehning, Davenport.	4 hoop nets and 4 tags	2.40
3603	Oscar Sweely, Bettendorf.	2 hoop nets and 2 tags	1.20
3604	Fred Dittman, Davenport.	2 hoop nets and 2 tags	1.20
3605	Wm. Dehning, Davenport.	2 hoop nets and 2 tags	1.20
3606	Thos. Craig, Davenport.	1 hoop net and 1 tag	.60
3607	Lloyd Niles, Bellevue.	1 trammel, 10 hoop nets, 11 tags	11.10
3608	Chas. Carr, Bellevue.	20 hoop nets and 20 tags	12.00
3609	W. A. McCalley, Bellevue.	10 hoop nets and 10 tags	6.00
3610	John Trelo, Savannah, Ill.	1 trammel and 1 tag	5.10
3611	Andrew Green, Savannah, Ill.	1 trammel and 1 tag	5.10
3612	Fred Fels, Dubuque.	2 hoop nets and 2 tags	1.20
3613	N. H. Faus, Bellevue.	5 hoop nets and 5 tags	3.00
3614	Frank Niles, Bellevue.	5 hoop nets and 5 tags	3.00
3615	C. W. Korr, Council Bluffs.	1 hoop net and 1 tag	.60
3616	Ed Fiest, Council Bluffs.	1 hoop net and 1 tag	.60
3617	Bleever King, Council Bluffs.	4 hoop nets and 4 tags	2.40
3618	J. R. Ederes, Council Bluffs.	1 trammel and 1 tag	5.10
3619	Joe Blazek, Council Bluffs.	1 trammel and 1 tag	5.10
3620	Paul Hedlick, Council Bluffs.	1 trammel and 1 tag	5.10
3621	Dod Bachlor, Council Bluffs.	1 trammel and 1 tag	5.10
3622	Anton Hussan, Council Bluffs.	1 trammel and 1 tag	5.10
3623	Laurence Dost, Council Bluffs.	1 trammel and 1 tag	5.10
3624	Frank Kocher, Council Bluffs.	1 trammel and 1 tag	5.10
3625	Tom Dopita, Council Bluffs.	1 trammel and 1 tag	5.10
3626	Sandy Andrews, Council Bluffs.	1 trammel and 1 tag	5.10
3627	Ernest M. Cross, Clinton.	1 trammel and 1 tag	5.10
3628	R. Reher, Comanche.	1 trammel and 1 tag	5.10
3629	Carl Mensinger, Comanche.	1 trammel and 1 tag	5.10
3630	Frank Jordan, Comanche.	1 trammel and 1 tag	5.10
3631	Tony Brazochas, Clinton.	1 trammel and 1 tag	5.10
3632	H. Mensinger, Comanche.	1 trammel and 1 tag	5.10
3633	Christain Behr, Almont.	1 trammel, 1 pound, 3 fyke nets, and 5 tags	8.00
3634	T. J. White, Council Bluffs.	1 trammel and 1 tag	5.10
3635	Josh Hoskins, Council Bluffs.	1 trammel and 1 tag	5.10
3636	Anton Kocher, Council Bluffs.	1 trammel and 1 tag	5.10
3637	L. J. Hurley, Mo. Valley.	1 trammel and 1 tag	5.10
3638	Clark Dodge, Modole.	1 hoop net and 1 tag	.60
3639	Adolph Ellexon, Lansing.	1 trammel and 1 tag	5.10
3640	N. A. Lons, Lansing.	1 trammel and 1 tag	5.10
3641	H. D. Boardman, Lansing.	1 seine and 1 tag	10.10
3642	Hiram Gibbs, Lansing.	30 hoop nets and 30 tags	18.00
3643	Fred Agnew, Council Bluffs.	1 trammel and 1 tag	5.10
3644	H. B. Hough, Crescent.	1 seine and 1 tag	10.10
3645	Roy Bainter, Mt. Rose.	23 hoop nets and 23 tags	13.00
3646	John J. Houston, Mt. Rose.	20 hoop nets and 20 tags	12.00
3647	Paul Keller, Sabula.	1 bait net and 1 tag	.60
3648	John Kuempel, Sabula.	2 bait nets and 2 tags	1.20
3649	H. B. Marshall, Sabula.	1 bait net and 1 tag	.60
3650	Peter Buchm, Sabula.	2 bait nets and 2 tags	1.20
3651	R. H. Angell, Lansing.	1 trammel and 1 tag	5.10
3652	John Wiedner, Harpers Ferry.	30 pound nets and 30 tags	33.00
3653	Pearl Hutson, Lansing.	1 seine, 2 tags	20.30
3654	M. F. Hampton, Muscatine.	20 hoop nets and 20 tags	12.00
3655	S. M. Kile, Muscatine.	1 trammel, 8 hoop nets, 9 tags	9.90
3656	Geo. Gibbs, Muscatine.	10 hoop nets and 10 tags	6.00
3657	Thos. Allen, LeClaire.	1 trammel, 10 hoop nets, 11 tags	11.10
3658	A. Garard, Buffalo.	10 hoop nets and 10 tags	6.00
3659	Robt. Yeck, Bettendorf.	3 hoop nets and 3 tags	1.80
3660	Heckmann, Bettendorf.	1 hoop net and 1 tag	.60
3661	W. P. Schultz, Bettendorf.	1 hoop net and 1 tag	.60

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3662	C. B. Johnson, Bettendorf	1 hoop net and 1 tag	.60
3663	John Bald, Buffalo	1 hoop net and 1 tag	.60
3664	C. E. Rook, Princeton	1 trammel and 1 tag	5.10
3665	Wm. Abbey, Davenport	1 trammel and 1 tag	5.10
3666	Jake Wick, N. Buena Vista	1 trammel and 1 tag	5.10
3667	W. H. Lyons, Dubuque	20 hoop nets and 20 tags	12.00
3668	Wm. Thorp, Dubuque	1 dip net and 1 tag	.60
3669	Henry Saengling, Guttenberg	1 seine, 1 trammel, 20 hoop nets and 22 tags	27.20
3670	Fred N. Freidlein, Guttenberg	1 trammel and 1 tag	5.10
3671	Chris A. Frommelt, Guttenberg	1 seine and 1 tag	10.10
3672	Chas. Smith, Clayton	10 fyke nets and 10 tags	6.00
3673	Jas. McCraney, Dubuque	10 hoop nets and 10 tags	6.00
3674	Albert Deltrich, Guttenberg	1 seine, 1 trammel, 2 pound nets and 4 tags	17.40
3675	John Pape, Waupeton	1 trammel and 1 tag	5.10
3676	Kels Gibbs, Spechts, Ferry	1 seine, 1 trammel, 12 hoop nets, 10 bait, 24 tags	28.40
3677	Harley Patterson, Waupeton	1 trammel and 1 tag	5.10
3678	Julius Belsky, Waupeton	1 trammel and 1 tag	5.10
3679	Wm. Pust, Dubuque	10 hoop nets and 16 tags	9.60
3680	Fred Mueller, Guttenberg	1 seine and 1 tag	10.10
3681	John Cassult, Guttenberg	1 trammel and 1 tag	5.10
3682	R. E. Buell, Guttenberg	1 trammel and 1 tag	5.70
3683	J. E. Buell, Guttenberg	1 trammel, 1 hoop net	5.10
3684	Geo. Pfuhl, Spechts Ferry	1 bait net and 1 tag	.60
3685	John Thilgen, Spechts Ferry	2 hoop nets, 1 dip and 3 tags	1.80
3686	G. A. Grumm, Dubuque	1 hoop net and 1 tag	.60
3687	Wm. Pust, Dubuque	1 trammel and 1 tag	10.10
3688	Henry Dix, Buena Vista	1 hoop net and 1 tag	.60
3689	Jake Wick, Clayton	1 trammel and 1 tag	10.10
3690	Herman Heiler, Dubuque	1 trammel and 1 tag	10.10
3691	Wm. Wachendorf, Clayton	2 trammel, 10 pound nets, 11 tags	21.20
3692	Wm. Wachendorf, Clayton	1 trammel, 1 pound net, 28 nets, and 27 tags	21.20
3693	John Behlmer, Dubuque	1 trammel, 2 pound nets, 4 fyke nets and 7 tags	9.70
3694	Chas. Gilliam, Dubuque	1 trammel, 17 hoop nets, 5 fyke nets, and 23 tags	18.30
3695	Lorne Short, Clinton	1 seine and 1 tag	10.10
3696	Wm. Parrish, Davenport	8 hoop nets and 8 tags	4.80
3697	Sherman W. Hastings, Lansing	1 seine, 1 pound net, 2 tags	11.20
3698	Jack Stone, Sabula	1 trammel, and 1 tag	5.10
3699	P. T. Goreham, Onawa	1 trammel, 4 hoop nets, 5 tags	7.50
3700	V. G. Lamb, Onawa	1 trammel and 1 tag	5.10
3701	O. E. Warner, Onawa	1 hoop net and 1 tag	.60
3702	J. M. Ross, Onawa	4 hoop nets and 4 tags	4.60
3703	Fred Kistenmacher, Davenport	2 pound nets, 4 hoop nets, 6 tags	4.60
3704	Harry Lemburg, Davenport	1 trammel and 1 tag	5.10
3705	Roy Wilson, Davenport	1 trammel and 1 tag	5.10
3706	Jas. F. Holliday, Davenport	2 hoop nets and 2 tags	1.20
3707	Ed. Larson, Davenport	1 trammel and 2 hoop nets	6.30
3708	Chas. A. Frey, Davenport	1 hoop net and 1 tag	.60
3709	J. H. Gettett, Muscatine	2 hoop nets and 2 tags	1.20
3710	Floyd Almadinger, Muscatine	1 trammel and 1 tag	5.10
3711	James Gibbs, Muscatine	17 hoop nets and 17 tags	10.20
3712	Ernest Gosen, Clinton	1 trammel and 1 tag	5.10
3713	C. W. Dunkelburger, Clinton	1 trammel and 1 tag	5.10
3714	Arthur Huggins, Clinton	1 trammel and 1 tag	5.10
3715	H. I. Siegethorst, Clinton	1 trammel and 1 tag	5.10
3716	E. A. Thompson, Clinton	1 trammel and 1 tag	5.10
3717	E. Daudels, Clinton	1 trammel and 1 tag	5.10
3718	R. Hohenhorst, Clinton	1 trammel and 1 tag	5.10
3719	Wm. Platt, Clinton	1 trammel and 1 tag	5.10
3720	A. Dimes, Clinton	1 trammel and 1 tag	5.10
3721	Wm. F. Taland, Rock Island	1 seine and 1 tag	10.10
3722	John Rathburn, Rock Island	1 seine and 1 tag	10.10
3723	Wm. Lovewell, Muscatine	10 hoop nets and 10 tags	6.00
3724	A. J. Whirl, Wapello	10 hoop nets and 10 tags	6.00
3725	Henry Heyman, Rock Island	1 trammel and 1 tag	5.10
3726	Geo. E. Smith, Montpelier	1 trammel and 1 tag	5.10
3727	V. B. Robertson, Bettendorf	1 trammel and 1 tag	5.10
3728	K. Cook, Davenport	1 trammel and 1 tag	5.10
3729	Wm. O'Brien, Davenport	5 hoop nets and 5 tags	3.00
3730	Emery Fuller, LeClaire	2 pound nets and 2 tags	2.20

## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3731	Oscar Peterson, Davenport	3 hoop nets and 3 tags	1.80
3732	Louis Tedder, Bettendorf	1 pound net and 1 tag	1.10
3733	O. M. Treedy, Bettendorf	1 pound net, 1 hoop net, 24 tags	1.70
3734	Chas. Chandler, LeClaire	1 pound net and 1 tag	1.10
3735	John Tenfel, Buffalo	1 hoop net and 1 tag	.60
3736	Geo. B. Devitt, Bettendorf	1 hoop net and 1 tag	.60
3737	Henry Gardiner, Burlington	1 bait net and 1 tag	.60
3738	C. McCorkel, Burlington	1 trammel net and 1 tag	5.10
3739	Roy Chestnut, Burlington	1 trammel, 10 bait nets and 11 tags	11.10
3740	Geo. Rader, Burlington	1 trammel, 10 fyke nets, 8 bait nets and 19 tags	15.90
3741	F. M. King, Burlington	6 bait nets and 6 tags	3.60
3742	Wm. McDaniels, Burlington	3 bait nets and 3 tags	1.80
3743	Chris Valandingham, Burlington	1 trammel and 1 tag	5.10
3744	W. H. Warth, Burlington	1 bait net and 1 tag	.60
3745	Jas. McCraney, Dubuque	2 seines and 2 tags	20.20
3746	W. H. Lyons, Dubuque	1 seine and 1 tag	10.10
3747	J. J. McColey, Bellevue	1 trammel and 1 tag	5.10
3748	W. A. McColey, Bellevue	1 seine and 1 tag	10.10
3749	Jacob Putnam, Bellevue	1 trammel and 1 tag	5.10
3750	Ralph Putnam, Bellevue	1 seine, 10 fyke nets, 11 tags	10.10
3751	C. Soles, Clayton	1 seine and 1 tag	10.10
3752	Jacob Weber, Dubuque	5 hoop nets and 5 tags	3.00
3753	Andrew Green, Savannah, Ill.	1 seine, 1 trammel, 10 hoop nets and 12 tags	21.20
3754	Geo. Clark, Dubuque	1 seine and 1 tag	10.10
3755	Jno. Putnam, Bellevue	1 trammel and 1 tag	5.10
3756	H. Sanger, Clinton	1 trammel and 1 tag	5.10
3757	W. L. Hayner, Clinton	1 trammel and 1 tag	5.10
3758	Frank Leibert, Lyons	1 trammel and 1 tag	5.10
3759	W. S. Duba, Salix	1 trammel and 1 tag	5.10
3760	Otto Lofsted, Sioux City	6 hoop nets and 6 tags	3.60
3761	Wm. Pelco, Sioux City	2 hoop nets and 2 tags	1.20
3762	Sam Woodruff, Ft. Madison	1 trammel, 10 hoop nets and 11 tags	11.10
3763	Albert E. Allen, Ft. Madison	15 hoop nets and 15 tags	9.00
3764	Geo. Toole, Ft. Madison	10 hoop nets and 10 tags	6.00
3765	Elmer Vaser, Ft. Madison	15 hoop nets and 15 tags	9.00
3766	Chas. Weight, Ft. Madison	3 hoop nets and 3 tags	1.80
3767	T. V. Harrison, Sabula	30 hoop nets and 30 tags	18.00
3768	C. A. Hammond, Keokuk	1 trammel and 1 tag	5.10
3769	H. H. Ryland, Keokuk	1 seine and 1 tag	10.10
3770	Jno. Beyer, Council Bluffs	1 trammel and 1 tag	5.10
3771	Frank Whalamper, Council Bluffs	1 trammel and 1 tag	5.10
3772	John Shea, Blencoe	2 hoop nets and 2 tags	1.20
3773	Thos. Thompson, Sabula	2 bait nets and 2 tags	1.20
3774	T. Shepherd, Sabula	1 trammel and 1 tag	5.10
3775	Olaf Engstrom, West Burlington	1 trammel and 1 tag	5.10
3776	Wm. Sourwine, Burlington	1 dip, 1 bait net and 2 tags	1.20
3777	Jno. W. Bertschoper, Burlington	2 hoop nets and 2 tags	1.20
3778	Z. D. Myers, Modole	1 seine and 1 tag	10.10
3779	B. Hayner, River Sioux	6 hoop nets and 6 tags	3.60
3780	J. C. Brandenburg, N. Buena Vista	1 seine and 1 tag	10.10
3781	Chas. Mundt, Dubuque	1 seine and 1 tag	10.10
3782	Wm. Pust, Dubuque	1 seine and 1 tag	10.10
3783	Henry Moser, Osterdock	1 trammel and 1 tag	5.10
3784	Sam Tinkey, Clayton	1 seine and 1 tag	10.10
3785	Geo. Putnam, Bellevue	1 seine, 1 trammel, 2 tags	15.20
3786	N. H. Faust, Bellevue	1 seine and 1 tag	10.10
3787	Harry Meyer, Clinton	1 trammel and 1 tag	5.10
3788	E. A. Thompson, Clinton	1 trammel and 1 tag	5.10
3789	John Kondybovsky, Clinton	1 bait net and 1 tag	.60
3790	Geo. Johnson, Sabula	1 trammel and 1 tag	5.10
3791	Jas. R. Meyers, Thurman	1 trammel and 1 tag	5.10
3792	Sid Coats, Sioux City	5 hoop nets and 5 tags	3.00
3793	Wm. Holden, Lansing	1 seine and 1 tag	10.10
3794	P. W. Kelly, Clinton	1 trammel and 1 tag	5.10
3795	Joe Fuerns, Ft. Madison	30 hoop nets and 30 tags	18.00
3796	W. H. Miller, Ft. Madison	3 hoop nets and 3 tags	1.80
3797	Chas. Homer, Ft. Madison	20 hoop nets and 20 tags	12.00
3798	Tom Hron, Ft. Madison	1 trammel and 1 tag	5.10
3799	V. L. Cooper, Ft. Madison	1 trammel and 1 tag	5.10
3800	Eugene Shaffer, Ft. Madison	50 hoop nets and 50 tags	30.00
3801	C. Maynard, Ft. Madison	10 hoop nets and 10 tags	6.00
3802	K. Swendsen, Davenport	1 seine and 1 tag	10.10
3803	C. P. Wendt, Cordova	1 seine and 1 tag	10.10



## BOUNDARY WATER LICENSES ISSUED—Continued.

No.	Name and Address	For	Amount
3804	Fred Smith, Cordova	1 seine and 1 tag	10.10
3805	A. J. Spahnie, Cordova	1 seine and 1 tag	10.10
3806	J. J. Miller, Cordova	1 trammel and 1 tag	5.10
3807	A. C. Hoffman, Davenport	1 trammel and 1 tag	5.10
3808	Wm. Sprague, Montpelier	1 trammel and 1 tag	5.10
3809	Lee G. Suiter, LeClaire	1 trammel and 1 tag	5.10
3810	E. F. Martin, Princeton	1 trammel and 1 tag	5.10
3811	Rudd Papworth, Davenport	1 trammel and 1 tag	5.10
3812	Frank Holliday, Davenport	1 trammel and 1 tag	5.10
3813	Harris Valley, Davenport	1 trammel and 1 tag	5.10
3814	C. W. Youngberg, Davenport	2 hoop nets and 2 tags	1.20
3815	L. H. Baer, Clinton	1 hoop and 1 tag	.60
3816	Frank Culmsee, Sioux City	1 trammel and 1 tag	5.10
3817	John Clemenson, Council Bluffs	1 seine and 1 tag	10.10
3818	Wm. Vincent, Crescent	1 seine, 1 trammel and 2 tags	15.20
3819	Elle Anderson, Council Bluffs	1 hoop net and 1 tag	.60
3820	Jno. Deveny, Council Bluffs	1 trammel and 1 tag	5.10
3821	Chas. Watson, Dumphries	1 hoop and 1 tag	.60
3822	Jess Walker, Council Bluffs	1 trammel and 1 tag	5.10
3823	Zet Hartman, Sabula	25 hoop nets and 25 tags	15.00
3824	Ed. Mead, Ft. Madison	50 hoop nets and 50 tags	30.00
3825	Forrest Conby, Bellevue	1 trammel and 1 tag	5.10
3826	Fred Brown, Bellevue	1 trammel and 1 tag	5.10
3827	Emil Ehardt, Bellevue	1 trammel and 1 tag	5.10
3828	Fred Tels, Dubuque	1 seine and 1 tag	10.10
3829	Ira N. Price, N. Buena Vista	1 seine and 1 tag	10.10
3830	Claus Groat, LeClaire	1 trammel, 10 hoop nets and 11 tags	11.10
3831	Walter Kralh, Rock Island	1 trammel and 1 tag	5.10
3832	C. T. White, Davenport	1 trammel and 1 tag	5.10
3833	Ed Tuxford, Davenport	1 trammel and 1 tag	5.10
3834	Wm. O'Brien, Davenport	1 trammel and 1 tag	5.10
3835	Wm. J. Sharp, Davenport	2 hoop nets and 2 tags	1.20
3836	Louis H. Kuehl, Davenport	2 hoop nets and 2 tags	1.20
3837	Henry Stollenberg, Davenport	1 hoop net and 1 tag	.60
3838	Henry Hingst, Muscatine	1 trammel and 1 tag	5.10
3839	Bert Shatwell, Muscatine	6 hoop nets and 6 tags	3.60
3840	Hal Wilson, Burlington	50 trammel nets and 1 tag	5.10
3841	Wm. Ewinger, Burlington	10 bait nets and 10 tags	6.00
3842	John Peterson, Burlington	20 bait nets and 20 tags	12.00
3843	Dave Emerson, Burlington	20 bait nets and 20 tags	12.00
3844	Sherman Wood, Ft. Madison	1 trammel and 1 tag	5.10
3845	Earl McClure, Onawa	1 hoop net and 1 tag	.60
3846	W. A. Warren, Little Sioux	4 hoop nets and 4 tags	2.40
3847	Jerry Hundevard, Sabula	5 bait nets and 5 tags	3.00
3848	Geo. P. Whitney, Sabula	1 trammel and 1 tag	5.10
3849	J. D. Stanton, Keokuk	8 hoop nets and 8 tags	4.80
3850	Hugh Inman, Keokuk	1 trammel and 1 tag	5.10
3851	Geo. Kinney, Keokuk	1 trammel and 1 tag	5.10
3852	Don Farr, Comanche	1 trammel and 1 tag	5.10
3853	Chas. D. E. Smith, Lyons	1 seine, 1 trammel, 2 tags	15.20
3854	John Anderson, Muscatine	3 hoop nets and 3 tags	1.80
3855	Wm. Harper, Muscatine	1 trammel and 1 tag	5.10
3856	Wm. Eger, Muscatine	1 trammel and 1 tag	5.10
3857	Dan Harris, Fruitland	1 trammel and 1 tag	5.10
3858	Fred Fisher, Davenport	1 seine and 1 tag	10.10
3859	Edward Gillopp, Rock Island	1 trammel and 1 tag	5.10
3860	Henry Heyman, Rock Island	4 hoop nets and 4 tags	2.40
3861	J. H. Bendixen, Davenport	2 hoop nets and 2 tags	1.20
3862	Wm. Stegan, Davenport	1 hoop net and 1 tag	.60
3863	Wm. Hicks, Bettendorf	1 hoop net and 1 tag	.60
3864	Henry Canfield, Bettendorf	1 hoop net and 1 tag	.60
3865	Joe Havens, Davenport	1 hoop net and 1 tag	.60
3866	Chas. Schesser, Bettendorf	1 hoop net and 1 tag	.60
3867	Carl Swanson, Davenport	1 hoop net and 1 tag	.60

## FINANCIAL STATEMENT OF THE FISH AND GAME DEPARTMENT.

## FISH AND GAME PROTECTION FUND.

Balance in state treasury, July 1, 1916, as last biennial report	\$ 133,253.56
Deduct for additional disbursements as corrections by state account	122.73
Deduct on account of error in Lucas county license report, 1915-16	7.00
	129.73
Add on account of error in Woodbury county license report, 1915-16	\$ 133,163.83
	93.00
Balance July 1, 1916 (corrected)	\$ 133,256.83
Received for hunters' licenses, 1916-17	97,302.00
Received for game breeders' licenses, 1916-17 (51)	102.00
Received for scientific permits, 1916-17 (18)	18.00
Received for miscellaneous collections, 1916-17	616.19
	\$ 231,294.83
July 4, 1917, to appropriation, chapter 236, Acts Thirty-seventh General Assembly, at passage of bill	50,000.00
Appropriation, improvement of Wall Lake, Sac county, chapter 279, acts Thirty-seventh General Assembly	3,360.00
	53,360.00
Hunters' licenses issued 1917-18	\$ 89,652.00
Game breeders' licenses issued 1917-18	64.00
Scientific permits issued 1917-18	9.00
Miscellaneous collections, 1917-18	450.23
Non-resident fishing licenses, 1917	362.00
Total receipts, Fish and Game Protection Fund, July 1, 1917, to June 30, 1918	\$ 89,937.23
One-half to appropriation, chapter 236, acts Thirty-seventh General Assembly, for year ending June 30, 1918	44,968.63
One-half to Fish and Game Protection Fund	44,968.63
Total receipts for biennial period	\$ 222,763.46
Total disbursements for biennial period	224,828.53
Overdraft, June 30, 1918	\$ 2,065.07

## APPROPRIATION, CHAPTER 236, ACTS THIRTY-SEVENTH GENERAL ASSEMBLY.

Appropriation from Fish and Game Protection Fund, at passage of act, July 1, 1917	\$ 50,000.00
Receipts from one-half 1917-18 Fish and Game Protection Fund collections	44,968.63
Total receipts	\$ 94,968.63
Disbursements to July 1, 1917, to June 30, 1918	6,624.39
Balance on hand, June 30, 1918	\$ 88,344.24

## APPROPRIATION, CHAPTER 279, ACTS THIRTY-SEVENTH GENERAL ASSEMBLY.

For improvement of Wall Lake, Sac county	\$ 3,360.00
Disbursements, none	
Balance on hand, June 30, 1918	\$ 3,360.00

## BOUNDARY WATERS LICENSE FUND.

Balance on hand, July 1, 1916	\$ 1,327.68
Collections July 1, 1916, to June 30, 1918	6,312.76
Total funds, June 30, 1918	\$ 7,640.44
Disbursements	6,065.25
Balance on hand, June 30, 1918	\$ 1,575.19