

6
STATE OF NEW JERSEY

REPORT

OF THE

Bureau of Shell Fisheries

For the year ending October 31st

1910

Embracing the annual reports of the State Oyster Commission;
the State Oyster Commission for the District of Ocean
County, the Oyster Commission for the District
of Atlantic County, the State Biologist
and the Commissioner of the
Shark River District

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State Bureau of Shell Fisheries.

CHARLES R BACON, Chief Office, State House, Trenton, N. J.

Officers and Employes of the State Oyster Commissions, Maurice River Cove, Delaware Bay, and Raritan Bay.

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Report of Bureau of Shell Fisheries.

To the Honorable John Franklin Fort, Governor:

We have the pleasure to submit herewith the eighth annual report of the State Bureau of Shell Fisheries, embracing the annual reports of the State Oyster Commission (Delaware Bay and Maurice River Cove), the State Oyster Commission for the District of Ocean County, the State Oyster Commission for the District of Atlantic County, the Commissioner for the District of Shark River, and a synopsis of the report of the Biologist of the Agricultural Experiment Station, for your perusal according to law.

We are glad to be able to report that the industry as a whole has flourished admirably in the past year. The growth of seed and marketable oysters is fully up to the standard of other years with but one or two exceptions. There has been a gratifying effort on the part of all those concerned in the advancement of the industry to use their best intelligence in that direction. We have been enabled to obtain progressive legislation along lines we have struggled for for several years, notably the enactment of a law providing for the leasing of barren grounds for the cultivation of seed oysters, of which further mention is herewith made.

One of the notable events of the year was the hearing before the Board of Food and Drug Inspection of the Department of Agriculture at Washington, in March, as a result of which we obtained a modification of an order which if carried out in full would have seriously interfered with our industry. The order was known as No 110, and it prohibited the transshipment of oysters which had been passed through the process known as "floating." The Department took the ground that such oysters showed a violation of a section of the Food and Drug Act in that a substance was added which detracted from their strength and

value as a food product. It was the contention of the Board that the oysters thus floated received a quantity of water which materially added to their bulk but gave nothing of quality. The effect of such an order upon our industry would have been to put at least five-sixths of it out of business and some of our growers and shippers were in consternation. We immediately endeavored to secure a hearing upon that order, because it had been promulgated without official notice to any Department of this State concerned in the administration of the industry. After considerable effort we managed to obtain from Dr. Harvey W. Wiley, the head of the Chemistry Bureau of the Department of Agriculture, a hearing to present our case. That hearing was arranged for Friday, March 1st, last, and such was the interest of our oystermen that more than two hundred of those directly concerned in the industry gathered at the Bureau of Chemistry Building, at Washington, to attend the hearing. So large was the gathering that the capacity of the room was overtaxed and it had to adjourn to the George Washington University.

Dr. Wiley presided and the State was represented by the Chief of the Bureau of Shell Fisheries, William H. Chew of the State Board of Health and Walter H. Bacon, representing our Attorney General, who is also the counsel for the Maurice River Cove Oystermen's Association, and nearly all the members of our several Oyster Commissions, besides old and experienced growers and shippers ready to testify as to the facts and conditions existing, to demonstrate that the order was inadvisable and unnecessary.

THE DISCUSSION

At the hearing Dr. Wiley said:

We are here this morning at the request of men engaged largely in the oyster industry, for a hearing before the Secretary of Agriculture in regard to Food Inspection Decision No. 110.

The Secretary of Agriculture desires me to say that important public business, which he could not postpone, has detained him in the early part of the morning, but he hopes to be here before

the hearing is over. A record will be made of what is said, so that he will have access to it.

This hearing, I think, must be left largely in your own hands, and should be conducted in such way as you have agreed upon beforehand, or may agree upon at the present time. Of course, it is quite impossible that each one of you should be heard individually. Therefore you should select a spokesman who will voice your views in order that the matter may be presented as concisely and tersely as possible. I believe to a certain extent that has already been arranged for, and we will proceed in the order in which you may have yourselves arranged for this hearing.

Walter H. Bacon, of Bridgeton, representing the Attorney-General, said—This is an application on the part of the oyster industry of the State of New Jersey for a modification by this Board of Food Inspection Decision No. 110, in so far as the same prohibits the floating of oysters in water of less salt content than that in which they are grown.

I appear on behalf of the State of New Jersey, representing Attorney-General Wilson, who was unable to be present. I also represent the oyster interests of the State of New Jersey, as represented by the individuals who are here.

At a meeting held last evening I was asked to present this matter briefly this morning, and to some extent to conduct the examination of the witnesses who will be presented.

The relation which the State of New Jersey sustains to this oyster industry is somewhat peculiar. We have a complete organization in control of the planting and cultivating of oysters in our State. This organization is headed by Charles R. Bacon, Chief of the Bureau of Shell Fisheries.

In addition to this there are three oyster commissions which have general charge of the planting and cultivating of oysters in their respective districts.

All lands of the State of New Jersey under tide-water, below mean high tide, are owned by the State of New Jersey. All of these riparian lands that are occupied for oyster culture are leased by the State of New Jersey to the oyster planters, and the State derives a very important revenue from the leasing of those

lands. Annual leases are made, and to that extent the State is interested.

The State of New Jersey bears all the expense of the policing of the oyster grounds, and of the maintenance of this organization which I have indicated.

The oyster industry of the State of New Jersey is a large and important one. In Cumberland county alone, in which county I live, the value of the annual oyster crop exceeds by one million dollars the annual value of the wheat crop of the entire State of New Jersey. So that to us this decision is an important matter, because as we view it, if enforced, it puts our people out of business.

We are here, one hundred and fifty of us, not as a matter of profit or gain, but most of these men are here in defense of their homes and their business. If this decision is enforced, they are practically out of it.

I ask Charles R. Bacon, Chief of the Bureau of Shell Fisheries, to make such statement as he may desire with regard to the extent of the industry and the acreage which is under lease.

STATEMENT OF CHARLES R. BACON.

Dr. Wiley, and gentlemen of the Board, we come to you to-day in no spirit of rebellion. We come to thank you for the opportunity of being heard on this question, so vital to the interests of the oyster industry of New Jersey. We were accused, indicted, tried and convicted without a hearing. Of the hearing held before your Board in the month of May, 1909, we had no notice whatever. True, the State Board of Health was given some information in regard to the hearing, and one or two of its representatives were present; but the oyster interests of the State, officially and otherwise, were in entire ignorance of the holding of that hearing. Therefore we had no information of the intended issuance of the order until it was promulgated.

We find it necessary then to ask that your Board may modify or cancel this order, and that is why we are here to-day.

These gentlemen whom you see about you represent one of the greatest industries in the eastern section of the country. It is

not a manufacturing interest; it is a natural resource which we are endeavoring to bring up to its greatest possibilities.

We have in this State, as nearly as we can discover, 375,000 acres of land under tidal water, capable of shell fish culture. Of that total we have approximately 30,000 acres of natural seed beds, where the oysters grow naturally and where we gather our seed in due season. We have 28,700 acres leased at from fifty cents to one dollar per acre for planting purposes.

The total output of our industry is more than \$4,000,000, as nearly as we can estimate it, and one of the errors of our National Census Bureau was to give us credit for an output of only \$1,500,000. I am here to-day to say that that is very much underestimated.

There are ten thousand men engaged in the industry. Whole villages and towns depend almost entirely upon it for their livelihood and support. Along our bay fronts and our coast, and along the sounds and lakes are dotted the homes of the men engaged in this industry, and we are here to tell you that if this order No. 110 stands as it is, practically the whole industry will be wiped out in no time at all. As a State we are endeavoring to legislate for the upbuilding of the industry in every way possible. Our State Board of Health is actively engaged in cleaning up the conditions to make our oyster the most healthful product in the world, and we claim to-day that our product is one of the best that comes to the markets of America. We are here to defend it against this order, if we possibly can do so. We only ask for a fair and full hearing, and your final judgment.

Dr. Wiley—What is there in this order that affects the New Jersey oyster industry at all more than any other? What is the point in this order to which you take exception?

Charles R. Bacon—We will demonstrate that to you as we go along. The exception we take is to the prohibition of the shipping of floated oysters.

Dr. Wiley—What objection is there to shipping them without floating?

Charles R. Bacon—We cannot find a market for them.

Walter H. Bacon—I think one of the first things we ought to do is to show that our sanitary conditions in the State of New

Jersey are good with respect to the waters in which these oysters are grown and in which they are placed for packing. I ask Mr. William H. Chew, of the New Jersey State Board of Health, to state what his Board has done during the past year or two in connection with this matter?

STATEMENT OF WILLIAM H. CHEW.

Dr. Wiley, and gentlemen of the board, the statement which I am about to make is authorized by the State Board of Health:

The State Board of Health of New Jersey is represented here-to-day that it may correct so far as possible an impression which seems to have prevailed at the hearing held in Washington, on May last, that the sanitary condition of the streams from which oysters were taken in New Jersey was bad. Those conditions, never wholly bad, have been greatly improved within the past year and the State Board of Health believes that to-day New Jersey is ahead of its sister States in the cleaning up of its streams. At the last session of the Legislature a law was passed in our State which gave the State Board of Health direct power to prevent the pollution of oyster beds or floats. This measure, together with the other laws on the statute books against the pollution of streams, places New Jersey in a position to require sanitary conditions in streams tributary to or flowing over oyster beds.

Briefly stated, the conditions in New Jersey are that the Maurice River, in the mouth of which are many of the oyster "floats," is now a clean stream. An inspection made by our Department on September 2d, 1909, with special reference to pollution of Maurice River and its tributaries, showed a marked improvement in conditions over those noted in the inspection made on March 27th, 1909. It was evident that the local health authorities had become awakened to the necessity of preventing oyster pollution, and their attitude is such that a strict local watch will be kept over the sanitary conditions in the future. The general sentiment of the people is strongly favorable to the maintenance of the best sanitary conditions and our inspector, in his report to this Board, expressed the belief that oysters coming from Maurice River during the present oyster season may be eaten with no fear

of their having been grown or floated in polluted water. Further, a reinspection of Maurice River has shown that all the pollutions previously reported from source to mouth have been abated. Millville, the only city on this stream, has installed a sewage disposal plant within the past few months, and this is now in successful operation.

I may say that the affluent is very good, and it is being sterilized, in addition to the ordinary filtration.

In line with the policy of this Board to relieve the Delaware River and its tributaries of sewage pollution, orders have been directed against all the cities which now have sewerage systems emptying into those streams requiring them to erect disposal plants. At the same time 200 minor pollutions along the Delaware River were abated during the year ending October 31st, 1909.

With reference to the condition of the waters from which oysters are taken in other portions of New Jersey, it can be stated that an inspection at Tuckerton bay and West creek has failed to reveal any source of pollution at either of those points. With regard to the Shark and Manasquan rivers, practically all of the sewers, drains and sources of dangerous pollution have been removed, and, in the opinion of the Board, clams and oysters may with safety be again taken from these streams.

When the State Board of Health of New Jersey learned of the decision of the Department of Agriculture against shipment in interstate commerce of oysters that had been "floated," it had an investigation made to ascertain the facts concerning the practice of floating oysters and to determine the relative character of the waters over the oyster beds and oyster "floats," and also to make analyses of both salt and floated oysters to determine the relative water content of each class. Unfortunately the season was well advanced when this investigation was ordered, and the severe cold weather following so shortly afterward prevented the procuring of sufficient samples to draw definite conclusions. Those samples examined, however, showed an average of 85.16 per cent water in a natural salt oyster, and 86.03 per cent water in a "floated" oyster.

While these samples were being collected, inspections were made along the creeks where oysters were floated, and the conditions found were extremely good, the local authorities taking great pride in keeping out of the streams all sorts of polluting materials. At and around Tuckerton, in Ocean county, the conditions were found to be similar to those in the vicinity of Maurice River Cove. The oysters taken from the Tuckerton district are planted in the salt bays and are floated in the brackish creeks, such as West creek and Tuckerton creek. The heads of some of these creeks furnish town water supplies and are kept scrupulously free from pollution.

That, I think, Mr Secretary, states accurately the sanitary condition of the streams in New Jersey from which oysters are taken.

I may add that the oyster industry in New Jersey is reported to yield to those engaged in it approximately \$4,000,000 annually, and as the New Jersey Food and Drugs Act is the same as the Federal law, it will be seen that if "Food Inspection Decision 110" is not modified New Jersey oysters that have been freshened may not be sold at all.

I may add in conclusion that the New Jersey Food and Drugs Act is an exact copy of the National Food and Drugs Act. Now, if this decision is not modified, and oysters that have been floated may not be shipped in interstate commerce, under our laws they will not be shipped at all, and, of course, if this decision stands, the Board of Health in New Jersey will have to enforce the laws of New Jersey.

Dr. Wiley—Do you think that this order had anything to do with the activity of the Board of Health in purifying the streams where oysters grow?

Mr Chew—I think it did not, for this reason: New Jersey has been very active for some time past. The State Board of Health has recognized that unless the oyster streams were cleaned up, sooner or later there would be some well-merited assault upon the oyster industry. Acting upon that general principle, the Board of Health for over two years have been working to secure better conditions in the oyster industry, and we think that within the last year we have really accomplished something.

In fact, we think that the water around the oyster floats is purer, perhaps, than out in the bay, and that unless the oyster can be proven to be adulterated it is certainly, in the condition in which it is taken from the float in our State, in a perfectly wholesome condition.

Dr. Wiley—Did you find any oysters floated in what you considered to be polluted water at the beginning of your investigations?

Mr Chew—At the beginning of our investigations we examined not the oysters so much as the waters. We did find the waters polluted.

Dr. Wiley—You would not be in favor of the interstate shipment of oysters that were floated in polluted water, would you?

Mr. Chew—Most certainly not.

Dr. Wiley—Would you have the federal government accept without question the reports of the New Jersey Board of Health in regard to the pollution of water, or would you think it was their duty also to see for themselves?

Mr. Chew—Speaking for the State Board of Health, and perhaps also for the oystermen, I think that New Jersey would welcome an inspection by the federal authorities, to prove the truth of my assertions or the assertions of the Board, that the conditions in New Jersey are better than in almost any other State where oysters are grown.

Dr. Wiley—It seems from your own statements, that the Board of Health has realized that there were bad conditions, or else it would not have undertaken this activity.

Mr Chew—The Board of Health realized that conditions in the past were at one time very bad.

Dr. Wiley—Is it not an established principle of inspection, if a considerable number of sources prove on inspection to be polluted, that it is the wise thing from a sanitary point of view to prohibit a practice which would possibly include such infection?

Mr Chew—Why, yes, I suppose generally speaking that may be true; but the New Jersey streams where these oysters are floated are now in such good condition that we, as the health officers of the State, can see no good reason why they should not be permitted to be shipped and sold, unless it can be proven that

they are deleterious to health. Our position is that if your decision stands, we will enforce that order in New Jersey.

Dr. Wiley—You surely are enforcing part of it now, that part which relates to polluted waters.

Mr. Chew—We are, very carefully.

Dr. Wiley—You propose to enforce that?

Mr. Chew—Yes, most certainly.

Dr. Wiley—You would not want us to repeal that part of the decision?

Mr. Chew—Not at all. I imagine that the oystermen here to-day are heartily in accord with the action of this Board in requiring oysters to be taken from unpolluted waters. Certainly we, as a Board, are heartily in accord with that action.

Dr. Wiley—As a health officer, suppose you should find from an inspection that a very large percentage, say over fifty per cent, of a certain product were prepared under insanitary conditions, so as to threaten the health of the community, what possible action could you take against practices of that kind, except forbidding them altogether? Where so large a percentage was infected, would not that be the only safe way to do, until we are certain that those conditions are removed?

Mr. Chew—I cannot see that the whole industry should be made to suffer for what might be a local condition at a certain point.

CAPT E. A. HORNER'S BRIEFS

Captain E. A. Horner, of the commission appointed to represent the State at the hearing, presented the following briefs:

If after careful consideration of all the facts presented by the oystermen in the matter of Food Inspection Decision No. 110, the Department of Agriculture is unwilling to rescind the order, the oystermen desire to present this alternative proposition. Such alternative proposition is understood to be made without prejudice to the statements already made, and facts heretofore presented. The only reason prompting the oystermen to make this alternative proposition is that if the department can not see its way clear to grant their prayer, some measure be adopted to

save to the people an industry which must be seriously injured, if not quite ruined, by an adherence to the said decision.

On December 27th, 1909, President Taft rendered a decision under the Pure Food Act determining the meaning of the term "whiskey" and the proper regulations for branding various kinds of whiskey.

"By the Pure Food Act of June 30th, 1906," says the President, "Congress forbade the introduction into interstate and foreign commerce the adulterated or misbranded drugs or articles of food, with two objects, one to preserve the health of the people, and the other to prevent their being deceived by label or brand as to the real character of drugs or articles of food offered for sale." The oyster is an article of food. If the position of the department in the matter of Food Decision No. 110 is clearly understood it is not pretended that oysters are rendered deleterious to the health of the people by the practice of "floating" or "drinking" if such "floating" or "drinking" be done in pure water, but that such oysters are adulterated by being placed in "water containing less salt than that in which they are grown."

We believe that it has been established by the evidence presented that an oyster after being "drank" or "floated" is in better condition than before, it certainly has been incontrovertibly proven that the oyster is in no way deteriorated by being placed in water containing less salt than that in which it was grown. Salt or fresh, the oyster is still an oyster. The effect of the decision must be taken to be that since an oyster is adulterated, its nature must be changed. What was before an "oyster" has ceased to be properly designated by that term solely and must be called a "freshened oyster" or an "adulterated oyster." The effect of the decision is to deny the right of the term "oyster" to any oyster except that which has been grown in salt water and until sent to the consumer never disturbed therefrom. The Pure Food Act does not mention the term "oyster"; it does not authorize any officer to fix a standard in respect to any article of food.

(1) It may be asked, what was the article called an "oyster" as known to the grower, to the trade, and to the consumer at and prior to the date of the passage of the Pure Food Law?

(2) What did the term "oyster" include?

(3) Was there included in the term "oyster" any maximum or minimum of natural substances as necessary in order that the bivalve may be designated an oyster, simply under whatever conditions grown and prepared for the market?

It may be answered (1) the trade and the consumer generally are fully advised as to the practice of "drinking" or "floating" oysters, so that no deception is practiced upon them. The conditions existing at and prior to the date of the passage of the act are identical with those existing to-day.

(2) The term "oyster" included and was generally understood to include oysters which had been "floated" or "drank," as well as oysters which were delivered to the trade and the consumer directly from the beds on which they are grown, without the process of "drinking" or "floating." No different term was used to distinguish one kind of oyster from the other.

(3) Oysters grow as well in close proximity to inlets from the ocean, where the water is most salt, as in creeks which are fed by fresh water springs and flow into the bays, far removed from the ocean, where the water covering the oyster beds is sometimes fresh enough to be drunk by men and animals without disagreeable sensation. In fact, there are many people of good judgment who prefer oysters grown in creeks, where the water is comparatively fresh, to those grown on the extensive beds in the bays where the water is most salt. In addition to this, it has been demonstrated that at different periods of the year, the water covering a particular part of the oyster beds may be fresher or saltier, depending largely upon meteorological conditions. During a period of excessive rainfall the water becomes quite fresh in the midst of the bays, almost fresh enough to be drunk, where under normal conditions the water is as salt as the ocean. Conversely, during periods of drouth, the water is quite as salt, or, it may be, at times saltier than that of the ocean. It is, therefore, conclusive that there is no maximum or minimum of natural substances in the matter of salt content necessary in order that an oyster be so designated to be qualified as a "freshened oyster" or a "salt oyster," depending upon the kind of water of the locality where it is grown.

The efforts of oyster planters and growers is to improve the product by the elimination of the disagreeable odor and taste produced by the mud in which it grows naturally.

It is assumed by the department that the "drinking" or "floating" of oysters creates a change in the product. It has been shown that this is untrue, and that if any change at all occurs, it is one for the betterment of the product. The effect of the drinking is to dissipate the odor and to modify the strong salt flavor, but to leave the oyster still an oyster. If it be said that the question is not one of health, and there is no deceit practiced upon the public by the marketing of oysters after they have gone through the process of "drinking" or "floating," there would appear to be no such adulteration as is intended to be prohibited by the Pure Food and Drugs Act. "With deference to the very able consideration of this question by Dr. Wiley and his associates, we think the fundamental error in their conclusion differing from this is one of fact as to all the term 'oyster' actually has included from time immemorial." An attempt has been made to make too nice a distinction in reference to the degree of salt an oyster should contain. "The distinction is too impracticable * * * for the execution of the law." No deceit is practiced upon the public, for there is no deceit in continuing to call an oyster that which has been improved in its condition by being "drank" or "floated" in fresher water than that in which it grew without substantial change in its composition or flavor.

But if in spite of all these facts the Department still feels that the process of growing oysters as at present and heretofore practiced is in violation of the Pure Food Act, and if the department still adheres to the position that oysters so grown are adulterated, it is then prayed that the decision be so modified as to permit to be shipped in interstate commerce oysters which are properly branded or marked to indicate the process through which they have gone before being put upon the market. If the oysters are so marked as to indicate that they have been

"drank" or "floated" it would seem that the department could enter no further objection

EDWARD A. HORNER, JR.,
 FRED W. WILLETTS,
 EDWARD L. RILEY,
 AARON S. VANBUSKIRK,
 CHARLES R. BACON,

A Commission appointed by the Governor of New Jersey, in pursuance of a resolution of the Legislature of the State of New Jersey, authorizing them to act in this behalf.

TESTIMONY.

We further presented the testimony of F. R. Austin, of Tuckerton, an extensive grower and shipper of oysters, who demonstrated the difference between the oysters taken direct from the beds and those which had been laid out in brackish water for cleansing and fattening. He also showed that the market demanded floated oysters in preference to those which had been taken direct from the beds. Further testimony on this line was given by Ernest L. Mulford, a member of our State Commission for the Maurice River Cove District; and many others whose experience had shown that the oyster was really benefited by the operation of floating.

Dr. Wiley and his experts, however, disputed such testimony, which to their minds was not a scientific demonstration of the conditions under which the oyster was placed. We discovered, therefore, that it was necessary for us to give more explicit scientific information bearing upon the subject.

We asked an adjournment of the hearing to a later day, with the reservation that we should present the testimony of Professor Julius Nelson, Biologist of the State Agricultural Experiment Station. We were granted this application for a later hearing, and on April 9th, proceeded to Washington, with Dr. Nelson, who had been requested meantime to make such investigation as he could in the time allowed to support our contention. As a

result of this request Dr. Nelson prepared the following, which was duly presented to the Board of Food and Drug Inspection:

DR. NELSON'S STATEMENT.

In accordance with your request of the 7th of March, to investigate biologically the difference between "floated" and "unfloated" oysters, the following is respectfully submitted.

We assume that the analysis made by Dr. Atwater in 1887 is correct in the general fact that the "freshening" of oysters on floats adds water and not nutrients to their flesh, but we believe that more extensive analyses should be made in the light of subsequent experience and that the percentages should be calculated on a basis of shell capacity and not on the amount of liquor and flesh, except when this accurately represents the shell capacity.

In the limited time at our disposal, we did not undertake researches along the lines of chemical analysis. Our main object was the testing of certain claims made by oystermen, said to be based on their experience, viz:

That the freshened oyster is (1) cleaner; (2) sweeter; (3) looks better, being plumper, firmer and whiter, (4) stands up better after opening, (5) receives its additional water in accord with natural experience, (6) selects salt water in preference to fresh, (7) and keeps better during transport and in the market, thus showing that the oyster has been benefited rather than injured by the process.

It will be seen that some of these points require field observations to supplement the laboratory experiments, and this was precluded from lack of time.

GENERAL METHODS.

We required that the oysters of each sample should be taken in one spot on the beds and be divided equally into a lot which we designate as "S" and a lot designated "F"; that lot "F" should be floated and that the lots be then packed in separate parcels and enclosed in one container and expressed to the laboratory, one shipment per week during the progress of the investigations.

Three shipments from Tuckerton and two from Bivalve, N. J., were received that conformed with the requirements. The number sent varied from forty (40) to over a hundred individuals in each lot.

The Tuckerton oysters were prepared under the direction of F. R. Austin and shipped by Ezra Stiles Company. The Delaware bay oysters were sent by Mulford & Mulford, of Bivalve, N. J., under the direction of F. E. Daniells, chemist and bacteriologist of the State Board of Health.

We desire herewith to acknowledge the courtesies extended by these gentlemen.

The Tuckerton oysters were Mullica seed, planted two years in Tuckerton bay. They were taken from the beds on Saturday, floated over Sunday, shipped Monday and arrived Wednesday morning.

The first shipment from Bivalve was taken from the beds on Monday, floated Monday night and shipped Tuesday. It was claimed that the twelve hours' freshening were insufficient, and our experience with these oysters shows that they did not so well substantiate the points claimed as did the other lots.

For the final shipments we requested that the salt oysters should not be removed from their bed until the day when the fresh ones were taken from the float. While it is more difficult in this way to get identical samples, yet the comparison can be carried out better when control experiments are made under identical weather conditions. In our early work we did not take into consideration the difference in post-aqueous age, but in the later work the two lots were of equal age. Oysters show a remarkable varied individuality and sensitiveness, this must be considered in all experiments of a biological character.

At the laboratory the oysters for each experiment were matched in size and shape as nearly as practicable, and ten (10) to twenty (20) individuals were chosen from "S" and from "F" for each experiment. In some cases these were carefully cleaned, and individually numbered and weighed.

The lines of research followed included the observation of loss of weight for different periods, submersion of samples in tap

water and saline solutions to note the water breathing, spontaneous opening of the shell in air, called air-breathing, shucking the oysters, measuring the liquor and obtaining the weight of contents and of the flesh, variations in this on standing, cooking the oysters for from two to twenty minutes and noting decrease in weight, and several limited and side issues were incidentally experimented with, suggesting changed methods, so that the earlier data is not so significant as that secured later.

RESULTS

Light was shed on all the listed claims, and the results may be summarized under each point.

1 THE FRESHENED OYSTER IS CLEANER—A good deal of dirt was found in the salt oysters as compared with the freshened ones. It was often necessary to clean the former before they could be acceptable as food.

In the submersion experiments, when the oysters breathed the saline solutions, an evidently larger amount of mud accumulated in the dishes holding salt oysters than in the controls.

When the oysters were shucked as soon after arrival as possible, and left in their own liquor, after a few hours the liquor became gelatinous from the slime excreted, and this seemed to be equal in the two lots, but the liquor of the salt oysters receives, in addition, a quantity of mud that has been worked out of the gills by ciliary action, and this becomes entangled in the slime and covers the oysters, making them quite unsightly. In this connection we have an exhibit of two jars of oysters showing the superiority of the "F" oysters in this and other respects.

These same oysters prepared in the same way a few days later failed to show this dirt in the liquor, we suspect that the ciliary action is feebler then, so the dirt is not shoved out, but this matter should be further investigated.

2 FRESHENING REMOVES UNPALATABLE SEA SALTS—This refers specifically to the "salt" oyster and not to brackish-water oysters. This important distinction is not always made. To call a brackish-water oyster, which needs no floating, a "salt" oyster is unfair to the genuine salt oyster. We were constantly testing the samples sent us. It took only a few salt oysters to produce a sense of aversion and even nausea, and we preferred the freshened article though it did taste flat by contrast when eaten without condiments. Eight other persons were tested as regards their preferences, and only one voted in favor of the salt oyster. The others found little difference in flavor provided a little salt was added to the fresh oyster. The general verdict was that the salt oyster tastes bitter but beats the fresh in flavor. It seems evident that the greatest factor in flavor is the presence of salt and as to the medicinal value of sea salt, there is still considerable left in the freshened oyster.

The cooking of the oysters seems to improve their flavor, particularly if they have been some time in storage. But it will be shown that in our experience the salt oyster deteriorates so rapidly that it becomes unusable, while the floated oyster still makes a savory stew.

3 THE FRESHENED OYSTER LOOKS FATTER THAN WHEN NOT FLOATED—This is particularly evident to any one opening a lot of oysters. The freshened ones are plump, firm and white in contrast to the flabby, watery-looking salt oyster.

The increase in bulk is from a tenth to a fifth. As the shell cavity is not increased in size by floating, it is plain that the shell contents are not increased, and unless there is a real loss of nutrients the amount of water must be the same as the oysters are taken from the beds.

On opening the floated oyster it loses comparatively little liquor as compared with the salt one. The gills and particularly the mantle edge of the former are swollen, while they are thin in the latter.

There is more extra cellular, or loose water, in the salt oyster, and less in the fresh as compared with the fresh one. This condition means that water can be more easily lost from the salt oyster than from the fresh one, as our observations show.

The fresh oyster is firm and white, and all, even those who prefer salt oysters, admit that it looks fatter and more appetizing.

The liquor that comes out of the freshened oyster is whiter, more milky than that from the salt oyster. There has been some change in the tissues to produce this milk. It would be instructive to investigate this matter both histologically and biochemically.

4 THE FRESHENED OYSTER KEEPS ITS PLUMPNESS BETTER AFTER OPENING THAN DOES THE SALT OYSTER—It is easily shown by boiling sufficiently that the flesh of both the salt and the freshened oyster shrinks greatly. The fresh one shrinks faster and after about twenty minutes boiling, the bulk of the two is practically equal. But a properly made stew requires that the oysters be simply heated through and not boiled. Under these circumstances the freshened oyster remains decidedly the larger, and more tender than when shrunken.

The raw specimen, left in their own liquor, do not seem to shrink to any important extent. Each maintains its bulk for several hours. But if left on the half shell, there is additional shrinkage of both the salt and fresh oyster, yet the fresh oyster remains the larger until evaporation begins.

This water is squeezed out by the living contraction of the tissues, and this contraction is held in check in the case of the bloated oyster.

5 THE VARIATIONS IN SALINITY ON THE OYSTER BEDS AMOUNTS, AT TIMES, TO A NATURAL FRESHENING—It is claimed that oysters become "lean" and "fat" by turns in accordance with the changes in salinity produced by alteration of wet and dry seasons. This point I have not sufficiently investigated, but in reference to the changes of salinity I submit the various observations of my oyster reports for the last three years.

6 OYSTERS EXERT A SELECTIVE CHOICE OF THE WATER THEY ABSORB—As oysters grow finest in brackish water, it is held that the oyster requires an alternation of salt and fresh water for its best health, that it selects from the tides the water of most agreeable saltness. It is claimed that the oyster exercises a similar instinct upon the floats. This matter has not been investi-

gated by me in the field. That some oyster floats are in water too fresh for the growth of oysters is evident.

Our experience in the laboratory involved the use of oysters that were not in the same condition as those put on the floats in oyster culture. The water used was moderately cold, from 55 to 65 degrees Fah. The saline solutions were made from table salt, and in one case from an artificially compounded sea salt. These solutions seemed to exert a deleterious action on the oysters that drank, more so in the artificial sea water than in the plain salines. Evidently we cannot make a mixture for floating oysters that shall be as suitable as that furnished by nature.

Acknowledging the presence of conflicting exceptions we may summarize the conclusions from our laboratory experiments, as follows:

- (a) Both salt and freshened oysters refuse to open in tap water for a long time, unless they have been much weakened beforehand.
- (b) These same oysters, transferred to saline solutions of from one to three per cent, open readily.
- (c) In saline solutions the salt oysters open before the freshened ones.
- (d) The salt oysters open first, in the stronger solutions, and the freshened ones first in the weaker salines.
- (e) Oysters breathe rather more freely when advanced to higher solutions than when advanced to weaker solutions.
- (f) Oysters that have opened in saline solutions remain shut when put into fresh water.

These conclusions seem to support the idea that oysters do regulate the entrance of water of different densities, but as regards details the conditions in the laboratory are so different from those of tidal water that they have no specific value unless corroborated by experiments in the field.

7 FLOATED OYSTERS KEEP BETTER THAN SALT ONES—This point seems to be the most important one for favoring the present practice. It does not follow that as the plumped oyster keeps better, that it is physiologically benefited, but that is a point still to be determined.

Our studies along this line have shown that individuality plays a great role. There are individual salt oysters that keep very well, and individual fresh ones that spoil quickly.

The spoiling is connected with the habit of air breathing which a portion of the lot indulge in from the very start. The results of this habit are, first, the free liquor gushes out and is replaced by air, second, the mantle lobes, especially around the edges, dry up, through evaporation, third, microbes are introduced that cause putrefaction of the moist and matted gills.

For a long time the oyster survives this condition, shutting promptly when touched, but finally becomes weaker and weaker. At first, the putrefaction is scarcely evident except as a slightly stale taste which can be entirely avoided by cutting away the gills before eating the oyster. At this early stage the staleness is not noticed when the oysters are eaten stewed.

The gills of an air breathing oyster undergo changes that bring them into the same category as the "dead men's fingers" of a crab. It will require bacteriological investigation to ascertain how far the microbes of the natural water collect on the gills, and how far they are responsible for the putrefaction.

At any rate, while the oyster keeps shut, it retains its original condition to a surprising degree for a surprisingly long time, at least under moderate temperatures. When the salt and the floated oysters are compared, it is seen that with equal practice of air breathing the freshened oyster has the advantage, it has more liquor in its tissues and does not dry out so quickly. If it loses all its free liquor this is slight in amount, as compared with that lost by the salt oyster.

But the salt oysters that practice air breathing far outnumber similar oysters that have been floated. In our last shipment they outnumbered three to one. It is evident that if oysters were packed so tightly that they could not open, they would keep better.

But in one experiment in which oysters were tied up with wire, compared with control sets, we found several wired "salts" that were dry, the others in general by the large amount of liquor remaining, proved the truth of our thesis. These dry oysters on close examination showed imperfect shells. A small piece of the "rib" had been broken off, so that a very small crack remained, permitting loss of juices and entrance of air.

When the floated and salt oysters were compared in respect to imperfections in shells it was found that the floated oysters had more cases of broken "ribs." They had been handled more, though there is some breakage during transport in sacks. In spite of the large percentage of broken "ribs" in freshened oysters they kept better. Nearly all the cases of air breathers among the freshened oysters have imperfect shells, while this is not true of the salt oysters.

We may say, then, that the floated oysters keep their mouths shut better than the unfloated ones, and thus is the main reason why the salt oysters spoil the quicker. The ratio of air breathers to the lot that had been floated for only twelve hours was slightly in excess of that in the corresponding salt oyster. The difference in the size of the two lots was slight and several of the floated lot were still full of mud. The flesh was soft like that of the salt oyster. So far as this goes, it tends to show that it takes time to bloat an oyster while it is alive. It is a much quicker process when the oyster is dead.

A very interesting fact was brought out in our experiments. After laying the oysters out on a table where the shells became thoroughly dry, most of them kept shut tight for an indefinite period, but on wetting such oysters and covering them with damp sacking, they soon opened, and only a small proportion of them shut when again dried. But even in this experiment the respective ratios between salt and floated oysters were preserved, including the comparison between those floated twelve hours and those floated twenty-four hours.

From this study it follows that when a salt oyster contains less free liquor than a freshened one, it shows that it has lost some of its liquor, and that the contents are not a correct index of the shell capacity in comparison with the contents of the floated oyster. This has an important bearing on chemical analysis.

"Our State Bureau of Shell Fisheries asked me, March 7th last, to undertake some investigations bearing on the 'freshening' of

oysters, in the hopes that my findings might help the cause of the oyster planters who feel that your ruling against this practice will cripple the business of planting oysters in waters salter than that flowing over those natural beds that furnish the bulk of the edible 'naturals.'

"The time available for the investigations has been too limited for the proper completion of the many lines of inquiry that have been suggested by, or involved in, the research. Some of the questions could not well be studied in the laboratory. I feel that an entire year, at least, will be needed to reach satisfactorily complete data.

"The further I have studied into this subject, the more convinced have I become that more than a simple question of osmosis is involved, and that the results of the chemical analysis of a few oysters are not a justifiable basis for declaring the practice to be an adulteration. Similar ratios of water and nutrients would be found in comparing a stalk of wilted celery with one that had been rendered crisp and plump by soaking.

"It seems likely that the matter will ultimately reduce to a question of the *proper* versus the *improper* method of floating.

"I grant at the outset, that the term 'fattening' used by the oystermen is inaccurate and unfortunate, though in the use of it no blame attaches to the planters, there is no intent to deceive. It is simply a misunderstanding of the facts.

"It is reasonably contended that the oyster thrives best in brackish water of medium salinity. Oysters growing in too fresh water do not thrive and have an insipid taste, while those growing in very salt water, even when well nourished, are watery and too full of sea salts to be palatable.

"The former are improved by transplanting into salt water, while the latter, to be rendered fit for market, are placed in 'water fresher than that in which they grew' in order to give the oyster a chance to clear itself of mud and excessive salt.

"It was quickly discovered that a freshening process improved the appearance as well as the flavor of the oyster, it seemed to become 'fatter' in several senses: it increased in plumpness, solidity, opacity and whiteness. The improvement in appearance was seen to be the more pronounced, the greater the difference

in the salinity of the two waters. The effects were likewise secured the more rapidly the fresher the water (short of absolutely fresh water) and the higher the temperature. Thus arose the present practice of floating oysters for from six to forty-eight hours, oftentimes resulting in removing more of the salines than is desired by the tastes of epicures.

"The rapidity of the change from lean to fat did not strike the average oyster grower as marvelous. It remained for scientific analysis to show that there was no increase in nutrients, but rather a decrease, and that the process was one of 'watering' rather than of 'fattening'.

"But the figures given in these analyses, though correct, are sometimes stated in a form that is unjust to the practice of freshening, especially when the total bulk of flesh in both cases is taken as a hundred per cent. In all such statements, the total shell capacity, which should be equal in the two cases, should be the basis for computing the percentages. Then there is found to be almost a practical equality in the water content, and the true nutrients, in both cases. The main difference lies in the distribution of the water, more being inside the flesh in the plumper oyster and less in the shell cavity.

"The difference in the percentage of water-free substances in the two cases should also be stated in terms exclusive of the salines, for salt is cheap, and can be easily added to suit the taste of the consumer.

"As oysters are not a very nutritious food, but are rather to be considered as condimental luxuries, the exact percentage of nutrients is of no great importance. It is primarily a question of palatability, and in that regard 'tastes differ'. Appearance also plays a great part in determining palatability. Even those who think the salt oyster is better, declare the freshened one looks the more appetizing.

"It is further reasonably claimed, that even if the floated oyster contains more water, this is absorbed as a result of a physiological process. Oysters will not 'drink' when put into perfectly fresh water. On the floats they wait for the salt water that comes in with flood tide, and they select that which agrees with their natural instincts as determined by the past experience

of their ancestors in brackish water, where twice daily the salinity fluctuates within considerable limits, and extremely so, when there is alternation of periods of drought with those of heavy rainfall.

"Under such conditions, how can it be determined how salt the water is 'in which the oysters are grown'? Our experiments shed light in these claims.

"It is further reasonably claimed that oysters bloated with water do not so easily lose their 'liquor' during transportation. They will therefore keep longer than if not floated. It is also claimed that the liquor of salt oysters ferments more readily than that in the freshened oyster.

"Our report will shed some light on these claims. It has been suggested that as a compromise oysters be labeled 'floated' and 'salt' as the case may be. But this is wholly unnecessary, as the taste and appearance readily show which is which.

"It is my conviction that if the public be thoroughly familiar with all the facts, they will still demand oysters of both kinds. There can be no 'deceit' in bloating oysters, as they are sold generally by count, and in those cases where they are sold by measure, the price is governed by the number of oysters needed to fill the measure.

"The oyster ultimately rests on its own merits under a 'free' trade, therefore, it is manifestly unjust to call 'freshening' an 'adulteration'. The oyster dealers could as readily supply a salt as a fresh oyster if the public so demanded.

"It is because the 'trade' demands the freshened product that the planters are worrying about your order. Besides, they claim that in winter when the ice prevents working on the beds for long periods, the stock of 'salts' in storage can be drawn on to supply the trade. These are sent fresh from the water when the floats are used, but would be stale if the use of floats were prohibited.

"It is manifestly better to have the freshening done in the living tide water than in tanks of dealers, even if this were feasible. Besides, if the freshening be done after shucking, it is not a process of osmosis controlled by a living animal.

"In view of the much still to be learned about the biology of the oyster that bears on these matters, could you not suspend the order until the questions have been properly investigated? At present it looks as if the order was based on a technicality."

The Board of Food and Drug Inspection after due consideration of all the facts and evidence we presented, decided to modify the order so that there would be no restriction against the transshipment of oysters which had been laid out and floated in water of the same salt content as that in which they grew. We had never at any time endeavored to present the idea that the floating process was conducted under conditions which weakened the value of our product. We are, therefore, very much gratified by the issuance of the modified order. In nearly all cases now, floated oysters are thus marked in shipment.

Your attention is directed especially to that portion of the report of Dr. Nelson, Biologist of the State Agricultural Experiment Station, showing very plainly that the process of floating oysters as practiced in our State is by no means detrimental to the quality or food value of our product, but rather aids in cleansing the oyster from some of the matter which might be a source of weakness. In that respect the only objection that can be against the process is in case the floating is conducted in waters susceptible to contamination by sewage or other deleterious matter, and this suspicion, we are happy to record, is now almost wholly removed from the products of New Jersey waters. Under a law passed last winter, which is quoted in full in this report, certificates of purity and cleanliness are now issued to the growers and shippers after careful inspections by the State Board of Health. The act was passed at the instance of that Board following the lines of a similar law on the statute books of the State of New York, and is in line with the action of the National Association of Shell Fish Commissioners in convention at Mobile, Alabama, in April last, which adopted resolutions urging upon planters, growers and shippers the absolute necessity of removing from the minds of the consuming public all possible suspicion that oysters bear disease germs and are unfit for food. The oystermen themselves were quick to see the value of a suggestion and the law, and they have heartily co-operated in its

vigorous enforcement, so that to-day there is renewed confidence in the food value and wholesomeness of New Jersey oysters, a confidence which was not felt a year ago. The value to the industry as a whole of this movement cannot be measured. It means a safer, more stable and better market, which must grow constantly.

In the general movement for clearing up the waters in which our oysters grow and are laid out for fattening, the planters composing the Maurice River Cove Oyster Growers' Association contributed to a fund for the diversion of a sewage ditch running across the meadows from Port Norris to Bivalve, and emptying into the Maurice river not far from the lines of floats there anchored. At an expense of some thousands of dollars, borne by the oystermen themselves, a steam dredge was employed to dig a new canal across the meadow some two miles to the deep waters of the Delaware bay to carry off the waste water, so that with the sweep of the tides all contaminating matter will be carried away from the floats and the beds. Such improvement might well have come under the care and expense of the State, but it would no doubt have taken a good deal of time and patience to convince the Legislature to that effect.

In every other way pointed out to them the oystermen of the State are readily adopting all measures to improve the value of the industry and to meet the requirements of the health authorities, fully realizing that it is to their interest and to the general public good that such steps be taken. It is a move forward along the line of improvement and should have every encouragement the State can give, since it is being conducted upon State property by men who pay rentals to the State.

Another feature of the report of the biologist to which particular attention should be directed is that concerning the necessity for extending the character and scope of the experiments now being conducted. The hearing before the Board of Food and Drug Inspection of the Department of Agriculture developed the fact that we had constant need of valuable information concerning the habits and conditions of our oysters and clams to determine the best course to pursue for the conservation of the great industry. The experiments under the direction of the

biologist should be extended without delay so as to include constant observations of the conditions prevalent in the several producing sections. There ought to be available at all times, ready for instant reference, accurate and reliable information as to the weather conditions, as to the tides, the relative salinity of the waters in which the oysters grow naturally or are planted, and such other data as will assist in the more intelligent direction of the industry upon the part of those charged with its betterment and advancement. For that purpose there ought to be established several observation stations in the several districts from which competent and reliable men could obtain the data thus desired. There ought to be further experiment with the object of gaining more reliable information as to the causes for lack of growth in some sections while in others there is strong and healthy growth of the product. In the line of progress this work should be continuous. At present the only experiments we are conducting are confined to those of the biologist at the small station on Barnegat bay during the summer when he is freed of his regular duties at the Agricultural College Experiment Station. We should have spring and fall information, as these are the seasons most affecting the growth of the product. To that end the Legislature should provide a sufficient appropriation to cover such expenses as may be necessary in the research for this valuable information. It would undoubtedly be a good investment for the State, which is directly concerned in the industry. Everywhere in the country, in the States producing shellfish, interest is growing in the advancement of the industry. Everywhere there is increasing demand for this form of wholesome food, and the years to come will demand a heavy increase of the output. The demand can be met by intelligent endeavor and the encouragement of the law-makers necessary to accomplish the plans made by those who have the interests of the industry at heart.

A law enacted by the Legislature of 1910 is regarded by many of those interested in shellfish culture as one of the most progressive steps the State has yet taken. It provides for the leasing to individuals of bottom in a section of the waters of Atlantic county which had fallen barren and was absolutely unproductive.

The law provides that the lessee shall immediately plant the bottom with shells and cultch for a catch of seed and otherwise cultivate the land for oyster propagation. This law represents the efforts of several years on the part of those concerned for the welfare of the industry. Considering the fact that we have a total area of approximately 375,000 acres of land under the tidal waters of the State capable of shellfish culture, while approximately only twenty per cent is thus used, it has seemed almost a tragedy that some step was not taken to remedy this glaring defect.

We have endeavored for several years to have the Legislature see this matter in its proper light, but we were unable to obtain the necessary endorsement for the passage of the bill embodying the idea. Opposition to the move came from many sections of Atlantic and Ocean counties through the fear of some oystermen that the ultimate purpose was to lease all the natural grounds and that somehow large interests would create a monopoly, shutting out the small oystermen. Several hearings were given by the Assembly Committee in which the measure was introduced by Hon. Walter E. Edge, then the assemblyman for Atlantic county. At these hearings the opposition was strong, but on the other hand many intelligent and unselfish men having the best interests of the industry at heart spoke effectively in behalf of the measure which was finally passed and by your approval became a law. Under its provision the Atlantic County Commission set aside some 300 acres of available land in the Great Egg Harbor bay, near the mouths of Tuckerton, Middle and Great Egg Harbor rivers, and make it subject to lease for those willing to take it up and shell it for a catch of seed. You will see by the Atlantic county report that 185 81 acres have been taken up by individuals, no one of whom under the law is permitted to hold more than five acres. These lessees very promptly purchased shells and began to plant this ground in full compliance with the provisions of the law. It was necessary to expend a considerable amount of money to assume the very great risk in the purchasing and planting of these shells. Some 100,000 bushels were placed on the ground at an expense approximating \$25,000.

Investors take this chance that perhaps a very small percentage of this large amount of shells will catch spat. As a matter of fact a very light catch was noticed the past summer. They have the hope, however, that in a year or two the catch will be much greater and more profitable. These lands were open for lease to all comers without reservation so far as this Bureau is aware, and that is the spirit and intent of the law.

Some criticism of this law has been passed by its opponents on the ground that it was intended to benefit a certain few who were able to make the necessary investment of capital. There is no foundation whatever for any such criticism. The law presents a progressive idea and it was intended to meet existing conditions.

In all our reports for the past four years we have endeavored to bring about the success of this idea and there was never at any time a selfish motive in any part of the effort. The fact is plain to those interested in the advancement of the industry that the idea must be adopted ultimately for the whole State, in order that our industry may thrive. The opponents of the law, however, have seen fit to attack its validity and have obtained a writ of certiorari, taking it to the Supreme Court for review and it is now subject to final decision. We had hoped that there would be a decision before this report was presented, but have been disappointed.

Another law enacted by our last legislature repealed the acts of previous years, under which it was necessary for tongers to take out annual licenses of \$2.50 each per year. The argument used in favor of the abrogation of that license was that the tongers had been for some years growing restless under its payment because of the scarcity of seed oysters at the opening of the season in Atlantic and Ocean counties. Still those who favored the abrogation of the license were opposed to the idea of leasing the barren grounds for propagating purposes. They still hold tenaciously to the proposition that the State ought to purchase shells for distribution upon the lands as it was the custom for several years prior to 1905. Of course the argument is advanced that it is just as much the province of the State to thus improve its lands as to stock its waters with fish and the woods with

game, and it would seem that in the principle involved there was a much stronger argument in favor of the use of shells since all the oyster lands are the absolute property of the State. Experience, however, showed that the idea was not working out properly and it was necessarily abandoned. The more practical method of leasing the grounds is provided by the law above referred to.

We sincerely trust that time will show the full benefits of the operations of this law and that it will be extended to all parts of the State, instead of being confined to a very small section of Atlantic county. The abrogation of the tongers' licenses has very materially reduced the income from the industry in Atlantic and Ocean counties. Otherwise we are convinced that the receipts would show a surplus over the expenditures in these two counties, as well as in the Maurice River and Delaware Bay District. The total receipts of the industry of our State are herewith shown.

LEASES AND LICENSES.

| | <i>No of Acres Leased</i> | <i>No of Licenses Issued</i> |
|--------------------------------------|-------------------------------|----------------------------------|
| Atlantic County, | 809 80 | |
| Delaware Bay and Maurice River Cove, | 25,931 00 | 346 |
| Ocean County, | 3,691 00 | |
| Raritan Bay, | 433 25 | 13 |
| Shark River, | 209 00 | |
| | <hr/> | <hr/> |
| | 31,077 05 | 359 |

TOTAL RECEIPTS FROM LEASES, LICENSES, ETC

| | |
|---|---------------|
| Atlantic County, .. | .. \$1,388 78 |
| Delaware Bay, Maurice River Cove and Raritan Bay, | 25,416 50 |
| Ocean County, | 2,367 00 |
| Shark River, | 240 00 |
| | <hr/> |
| | \$29,412 28 |

RECAPITULATION

| | |
|------------------------|-------------|
| Total acres leased, . | 31,077 05 |
| Total licenses issued, | 359 |
| Total receipts, . | \$29,412 28 |

BUREAU OF SHELL FISHERIES.

1910 APPROPRIATIONS

Atlantic County

| | |
|--------------------------|------------|
| Commissioners' salaries, | \$900 00 |
| Superintendent's salary, | 1,000 00 |
| Patrol, | 1,680 00 |
| Incidentals, | 250 00 |
| Surveys, | 150 00 |
| | <hr/> |
| | \$3,980 00 |

| | |
|----------------------------|----------|
| Bureau of Shell Fisheries, | 2,200 00 |
| Supplemental, | 300 00 |

Cumberland County

| | |
|-----------------------------|-------------|
| Salaries and patrol, | \$13,000 00 |
| Protection of natural beds, | 4,000 00 |
| Surveys and maps, | 1,200 00 |
| | <hr/> |
| | 18,200 00 |
| Supplemental, | 700 00 |

Ocean County

| | |
|--------------------------|----------|
| Commissioners' salaries, | \$750 00 |
| Superintendent's salary, | 1,000 00 |
| Patrol, | 1,000 00 |
| Incidentals, | 450 00 |
| Rent, | 50 00 |
| | <hr/> |
| | 3,250 00 |

Shark River

| | |
|------------------------|-------------|
| Commissioner's salary, | 114 37 |
| | <hr/> |
| Total, | \$28,744 37 |

The National Association.

Sixteen States and the Federal Government were represented by the delegates and other States by letter or paper at the annual session of the National Association of Shell Fish Commissioners in Mobile, Alabama, from April 25th to 28th last. Under a resolution adopted by our Legislature, New Jersey was represented by Professor Julius Nelson, Biologist of the State Agricultural Experiment Station; Captain E. A. Horner, Jr., oyster superintendent for the district of Ocean county; Hon. Blanchard H. White, assemblyman from Burlington county and the Chief of the Bureau. Captain Edmund Stites, Jr., president of the State Oyster Commission, had also been appointed by you under the resolution, but was unable to attend.

The sessions of the Association were marked by the presence and participation of men from the largest of our oyster and clam producing States who are concerned in the administration of the industry, all deeply interested in questions concerning its betterment and advancement. Papers of a scientific and practical nature, followed by wide discussion, afforded the members means of obtaining directly from those other States the problems confronting them and the plans outlined for meeting them, so that great benefit was derived from the gathering. New Jersey ranks third in the value and extent of its shellfish industry, but could by intelligent direction along proper lines and with needed legislation be greatly advanced and, perhaps, take higher rank with the other States in this valuable product. The proceedings of the sessions of the Association have been printed in full and copies may be obtained by application to the Bureau. New Jersey was honored by the unanimous re-election of the Chief of this Bureau as its president. The next annual session will be held in the city of Baltimore the latter part of April, 1911, and the members are looking forward to another season of interest and benefit

As this is the eight annual and the last report of this Bureau under the present Chief's term of office he feels that he can without bias make a suggestion or two for the best interests of the industry and the work of the several commissions. In the eight years of his service he has had the hearty aid and intelligent support of all the members of the commissions, to whom he has looked for guidance in many cases because of the long practical experience of the men thus engaged. The superintendents of the several districts have also at all times shown a deep interest in every movement made for the advancement of the industry, so that while a good deal has been accomplished it has been through hearty co-operation and pleasant understanding.

Much more remains to be accomplished, as has been indicated in all the reports of the Bureau. The shellfish industry of the State ought to be brought to a higher standard of value and efficiency. It is now woefully lacking in both. All of those concerned for its welfare have for a long time understood that action will be necessary to sustain and foster it. That the State should seriously undertake the task is beyond all question. How best to do the things needed to be done for its betterment is the problem with which we have been dealing with all sincerity of purpose. It is this problem that has led us to seek information from other States and led to the formation of the National Association of Shell Fish Commissioners, the membership of which includes all the biologists, fish culturists, engineers and experts in other lines intimately associated with the investigation of important relative questions. It is this problem that has urged upon us the necessity of further and more enlightening experiment.

The fact that the State now derives a revenue above the actual outlay for the maintenance, administration and protection of the industry, where it received nothing at all twelve years ago, seems to present strong argument for the continued regulation and control under better laws and conditions. The fact that so small a percentage of the available land is used for shellfish propagation, that there is a gradual diminution in the clam supply, which is apparently destined to be wiped out altogether,

and that there are numerous other phases of the situation requiring the close attention of experienced men with some heart for the work to be done, appears to us a very good reason for the continuance of this Bureau, with extended powers.

We are led, in some measure, to this conclusion by the appearance in the press in some parts of the State of suggestions that the several commissions and this Bureau should be consolidated under one head. We have always advised some method of bringing the commissions and the Bureau into more intimate legal relation, but there could not be under any regulation or law any better plan of administering the industry in the several districts. There must be, by any form of control, representatives of the State of proper experience, men of integrity and intelligence, to look after the State's property, even if they are given titles other than commissioners; nor does it seem at all practical to reduce the number of such agents. Surely the question of cost should not enter into the consideration in view of the fact that the total of all salaries paid to all officials now connected with the administration of the industry is but \$8,650 a year, divided as follows:

| | |
|--|---------|
| Four Commissioners for the Maurice River Cove, Delaware Bay and Raritan Bay District, at \$500 each, | \$2,000 |
| One Superintendent for this District, | 1,200 |
| Three Commissioners for the District of Ocean County, at \$300 each, | 900 |
| One Superintendent for this District, | 1,000 |
| Three Commissioners for the District of Atlantic County, at \$250 each, | 750 |
| One Superintendent for this District, .. | 1,000 |
| Chief of the Bureau of Shell Fisheries, | 1,200 |
| Clerk and Stenographer for Bureau, | 600 |

Under any other plan it would not be possible to get the services of competent men to perform the necessary duties at less cost to the State. Compared with other departments of the State government, many of which return no revenue whatsoever, the cost to the State is very much greater in salaries. As a matter of fact that policy ought to be extended this department in order that its value may be enhanced and that so rich an asset may properly be developed. There is not the slightest question as to the possibility of this extension. It remains only for the

State to seize the opportunity, for the Legislature to enact the proper laws and to bring the industry to its highest plane of development. Other States are giving serious consideration to the situation, spending considerably more money than New Jersey and we ought to meet every contingency fairly and with proper spirit.

Report of the Biologist.

THE SEASON OF 1910 AT BARNEGAT.

In our work during the past sesason we for the first time occupied our new floating laboratory "The Cynthia." This had been in winter quarters at Port Republic, and we experienced an exasperating delay in getting it towed to Barnegat. After reaching our destination, it was necessary to install the internal equipment, furnishings, plumbing, etc. As we attended to the routine of the observations and experiments in the meantime, it was August before the boat became presentable. It is now in winter quarters at Barnegat, near the field of operations. The Cynthia proved to be admirably adapted for the purposes for which it was designed.

CHARACTERISTICS OF THE SEASON.

The season was a remarkable one. March and April were unusually warm and oysters were very forward. Had it not been for the cold weather of May and the first part of June, extensive spawning would have occurred in May. As it was there was a little spawning near the close of that month. The hot waves of the latter part of June caused some spawning to take place, though less limited than we expected. There was a fairly good set of spat at the close of this month and at the opening of July, that must have come from fry that had been thrown out by a few oysters favorably situated, perhaps as much as three or four weeks before. The continuance of warm weather in early July caused still more spawning. It was remarkable to see the setting so sharply performed that it was all confined to one or two nights in the locality of our experiments; whereas the spawning was so gradual, by the middle of July the oysters in the lagoon

were all empty. All of this fry seemed to disappear without reaching maturity. No later setting was observed although there was much spawn present in the water. We have never before observed so greatly extended spawning activities. Though there was a marked warm spell in the latter part of July, no fry were seen until the month of August was ushered in, then came the great spawning climax which had been expected in June. It was remarkable to see that oysters in the deeper water were extraordinarily full of spawn all through this month and that there was another wave of spawning early in September. This also failed to produce a set of spat, at least in the region under observation. There arise several questions in connection with these curious facts. First, was the September spawning, if not also the August one, executed by oysters that had spawned earlier in the season, and later filled up with spawn a second time? When we reflect on the forwardness of the season and the early fine set of spat, it seems as if there should have then been a general emptying of the oysters. Certainly this was observed in the case of the ones in the lagoon. But these failed to come into spawn again, at least in such numbers as to justify conclusions. Second, what became of the abundant fry that disappeared without setting, and why did they disappear? Certainly these facts are of great interest in themselves, even though the questions remain unanswered. It seems necessary that more detailed observations be made locally of the factors we have designated as oyster climate.

HOW TO OBSERVE OYSTER CLIMATE.

An oyster weather observer should be equipped with the following apparatus. He should have a bilge pump with a length of hose attached to enable him to secure water from any desired depth. He needs at least one bucket to hold the water whose saltness is to be determined. His salinometer or hydrometer should read from 1000 to 1030, and he should have a reliable thermometer. He needs a suitable boat to take him to the places where the observations are to be made. He also needs a record book, pencil and an oyster knife, and finally a hand magnifying

glass of moderate power. Daily records should be made of the following factors

- 1 Air temperature at morning and evening and the highest during the day. Also the state of the wind as to direction and force in connection with the effect on the sea surface, also the matter of clearness of sky and rainfall.
- 2 The height of the highest and lowest tides of each day, as registered by a suitable gauge.
- 3 The salinity and temperature of the water at selected places at the time of the highest and the lowest tide.
- 4 The state of the oysters as regards spawning.
- 5 He should place clean shells in suitable places about a week after he finds that active spawning has begun, these should be left three or four days, then air-dried and then be explored with a hand magnifier and the spat counted. Of course, new shells should at once replace those taken, and these are to be treated in the same way and the replacement repeated for three weeks.
- 6 In case oysters show sign of spawning gradually, it will be necessary to supplement the foregoing by planting a heap of shell twice a week during the season, at carefully designated and dated spots. At the close of the season these should be carefully described in regard to the number and size of the seed captured. Work of the foregoing character, if carried on at as many diverse stations as possible on our coast, will undoubtedly prove of great value when correlated from all the stations and for a number of years. So far as we can at present see, the observations may be limited to the "months without an R." It may be necessary in special cases to make observations on the path and extent of the tidal currents. It is evident that practically one man's time will be occupied at each station, so that there will necessarily be some considerable expense involved, possibly as much as three hundred dollars for each station. But this oyster service should be provided for just as much as the weather service. There was a time when the State of New Jersey had a summer weather and crop service for which a thousand dollars per annum was provided by law. This was discontinued when Mr. McGann left the experiment station. Could not a law be enacted that would authorize the spending of this sum by the Bureau of Shell Fisheries, for the establishment of an oyster service?

Many years ago we had three volunteer observers who served without pay in taking salinity readings, but these observations were of little value because of their narrow limitations. To have extended them was impracticable without offering compensation. Those were the days when there was no provision for spending money for scientific study of oyster culture, although large sums were appropriated for other purposes in connection with the oyster industry.

THE FLOATING OF OYSTERS

An important line of work was undertaken by the biologist at the request of the Bureau of Shell Fisheries and leading oyster-

men This was in connection with the efforts of the oystermen to have decision No 110 of the Board of Food and Drug Inspection either rescinded or modified This decision was in effect a prohibition of the practice common in New Jersey of floating or freshening oysters for market While such prohibition did not at first strike us as a hardship, the importunities to secure our services as expert in the matter were so strong that finally we yielded at a considerable personal sacrifice of time that had been set apart for other work. The brief submitted by the biologist at the hearing before the Board will be found published elsewhere. Here we wish simply to make a general statement for popular reference.

THE MEANING OF THE WORD "FLOATED"

Technically the designation "floated" means officially that oysters are placed for a day or so, before being sent to market, in water of "less saline content" (that is "fresher" water) than that in which they have been growing For this purpose a raft is made with a floor of slats that are a foot or so below the surface of the water when the raft is loaded Such "floats" are usually placed in creeks where the fresh water draining from the land meets and mingles with the salt water brought up by the tide When oysters are put on the float they have their shell shut, and if the water is too fresh, they refuse to open Generally they wait until the incoming tide brings water of the acceptable degree of saltness, then they breathe in or "drink" in the water until they have secured a desired amount For this reason the process is called "drinking" oysters or "giving them a drink." This water may or may not have in it the real food of the oyster, but in any event the amount that could be secured during one or two tides is negligible Yet as a result of this process the flesh of the oyster swells so as to occupy nearly all the available space between the valves of the shell and therefore the process is also called "fattening" the oysters But Professor Atwater, as long ago as 1883, showed that there was no gain in nutrient material, the increase being due to the absorption (osmosis) of

water by the tissues. So the process is rather to be called "plumping," and the term "fattening" should be discarded as false.

The process has also been called "freshening" oysters, because some of the salt water in the animals is replaced by fresher water. With such an array of synonyms we can take our choice. The word "plumping" is most accurate of any listed, because oysters are frequently placed on floats in water fully as salt as that in which they are growing, so in this case no plumping takes place, and besides, oysters are plumped by being transferred to fresher beds, without being put on floats The great improvement in the bulk and appearance of plumped oysters sufficiently accounts for the hold this practice has gained in the trade

When it was understood that the increase in bulk (which may equal a fifth) is due to addition of water alone, it was natural that this practice should be considered to be an adulteration process under the law. Besides, there was also another count against the floated oyster, the creeks, so generally used for the purpose, are liable to contamination with sewage, so there is a possibility of transmitting typhoid to those who eat oysters raw. While most of the newspaper reports of cases of alleged infection had no foundation, yet experts claimed that one or two cases presented strong evidence that oysters coming from typhoid polluted waters had transmitted this disease Thus there is a real menace whenever floating is done in contaminated water As the prohibition of floating would remove the greater part of such menace, it seemed most just and proper that decision 110 should be promulgated As it costs considerable to freshen oysters for market, it would seem as if the oyster planters would have welcomed this decision On the contrary it caused consternation. Large delegations attended hearings at Washington. It was claimed that if the decision was not altered, the planters would have to quit business, that the market demanded the floated oyster, the unfloated one would be rejected as inferior, that a great calamity would fall on the shore towns dependent on the oyster industry, and that the freshening of oysters was not really an act of adulteration, because the water taken by the oyster is taken as a natural process of feeding, and that the water thus

absorbed is a real benefit to the creature, enabling it to survive transportation better than if floating had not been done. The biologist took up the work of investigation on March the 7th, and continued the work with increasing zeal for a month or more. The result of these investigations was he who had originally sympathized with the decision, became convinced that the claims of the oystermen were essentially just. The hearing of the first brief of the biologist was held April 9th, and a supplementary brief was prepared subsequently on May the 14th. Decision 121, amending number 110, was signed and issued June 4th, to the effect that oysters may be floated in any water whose saline content is not less than that in which oysters will grow to maturity under nature, and if floated in water fresher than this they should be labeled "floated oysters." Further that "oysters found in interstate commerce in a polluted condition because of the character of the water in which they were grown or floated, are adulterated under the Food and Drugs Act." This decision seems eminently just and satisfied all concerned.

GENERAL DISCUSSION OF THE RESULTS.

The space between the valves of an oyster shell is not entirely filled by the fleshy part of the oyster. The narrow space in the shell is occupied in part by the gills and the rest of the space is filled with water in so free a condition that, in opening the oyster for shucking, this water runs to waste. When an oyster shuts his shell under water, necessarily a considerable amount of water that had filled the space between the valves must be ejected. The oyster has the habit of snapping the shell together and causing this extra water to be ejected with force. The water so ejected washes out the accumulations of dirt that have collected on the gills and in the water passages of the oyster.

FLOATED OYSTERS ARE CLEAN.

When the oyster lies on the bottom it draws into its shell the sediment that is stirred up by waves and currents, a large portion of which is not food, and so is allowed to accumulate until its

presence is obnoxious, when efforts are made to eject it. On the floats the water is pretty clear, and here the oyster finally succeeds in freeing itself of this dirt. This is true even if the float is not in water fresher than that in which the oyster grew. But if the water is decidedly fresher, the gills swell so much and so much slime is secreted that the dirt is loosened and the washing effect of the snapping movements is greater.

In our experiments we found that the salt or unfloats oysters secrete more slime after opening, and this becomes stringy and catches the coarser particles of dirt, while the finer ones render the rest of the liquor quite turbid, the whole having a disgusting appearance quite in contrast with the clean appearance of similar oysters that had been floated. We left an exhibit of these lots in the office of the Bureau of Shell Fisheries. Evidently here is one count in favor of floating. In the market the consumer will not hesitate between the two lots.

THE OYSTER LIQUOR

In a plumped oyster there is less room for the free liquor, which is practically nothing but ordinary seawater, though if the oysters have been out of water for some time, this liquor becomes modified both in amount and solid content. There is a second portion of liquor held in the capillary spaces of the gills, that gradually runs out after the oyster is opened, and which forms the bulk of the liquor in which shucked oysters are submerged in the tubs from which they are sold in market. While this contains more nutrient material than the first liquor, its nutritive value is merely nominal, the salts present are largely those of unmodified seawater. There is no accurate way of measuring this water, so that the relative quantities in floated and unfloats oysters may be compared. Practically the amount is similar in the two cases, and depends on the length of time the oyster has been shrinking through muscular contraction.

There is finally a third portion of water in an oyster which is held in the cells of the tissues, where it was carried by osmosis. This is very much greater in amount in the floated than in the

unfloated oyster. It does not come out except by adding salt or by drying or by cooking. In cooking it comes out slowly, so that by cooking a floated oyster long enough, at least twenty minutes, it will reach the size of the unfloated oyster, which also shrinks during cooking, though relatively less. However, during the few minutes needed to prepare oysters by cooking, the floated oyster keeps a larger bulk than the one not plumped. It is less dense and correspondingly more tender, so here we add another count in favor of floating.

The same applies to the raw oyster on the half shell; the plumped ones stand up better and add decidedly, through their fatter appearance, to the enjoyment of the epicure. This fatter appearance is enhanced through another improvement besides that of increased size which results from floating. One would naturally suppose that if a body is swollen through absorbing water it would look transparent and watery; but on the contrary, it is the salt oyster that looks watery, whereas the floated one looks white and opaque to so decided an extent that the oystermen are not to be blamed for believing that floating is a real fattening process.

THE QUESTION OF FLAVOR.

The flavor of an oyster is a resultant of three factors: first, and least in evidence, is the specific flavor of the flesh as such; second, and more in evidence is the flavor added by the special character of the fermentations of the mud in which the oyster lies. Perhaps here we should include the special oils in the algoid food eaten; third, and most in evidence is the complex flavor of the various sea salts. It is these that suffer first by dilution in the freshening process, but it is a mistake to suppose they are entirely lost. The greatest loss is in the free liquor which is rarely saved anyway; next comes a reduction in the saltiness of the capillary liquor, which is eaten in the case of a stew; and when oysters are eaten raw, more or less of this liquor is swallowed, according to circumstances.

Usually oysters are salted for culinary or dietetic purposes, especially if they are much freshened. Certainly if they come

from very salt water they require no salting. This is really what is involved when it is claimed that the freshened oyster has "lost its flavor." It is only necessary to add salt to such oysters to restore most of the lost flavor. I doubt if any of the essential flavor of the oyster is lost by floating. I am willing to grant that salt oysters are exceedingly "tasty" when cooked, and that even when eaten raw the natural sea salts present add, or may add, desirably to the flavor. I think moreover that these salts have sanitary or medicinal properties of great value, at least if taken in small doses. I believe that the amount present in floated oysters is within the limit of producing the right therapeutic effect, and that the amount present in every salt oyster is too much for such purpose. From practical experience I can testify that my relish for raw oysters was cloyed much more rapidly when eating the unfloated product, than in the case of the floated oysters. The verdict of quite a number of my associates was to the effect that when salt was added to the freshened oysters there was no decided difference to be detected in the flavor of the two kinds.

OSMOSIS IS A LIFE PROCESS.

When oysters grow near the mouths of rivers, which seems to be the habitat in which they thrive best, they are subject to great fluctuations in the saltiness of the water they imbibe. Under natural conditions the oysters shrink and swell alternately in response to the changing conditions. Even on the same bed there is great individual differences between oysters as to their condition of fatness. Some are lean and watery, and these fail to improve when transferred to floats. It is only oysters of real fatness and solidity that are "fattened" by floating.

We have already referred to the selective action of the oyster when on the float, refusing to open if the water is too fresh. In such water the oyster keeps its shell shut as long as possible, and only opens when tired, and then the fresh water rapidly kills it. If the water is moderately fresh, it is the practice of some planters to remove the oysters a few minutes after they have drunk their fill, and not to leave them on the floats through two or three

tides as is usual where the difference in salinity is inconsiderable. The claim is made that after these freshened oysters are taken out of the water, the osmosis still continues until the free water is absorbed and is incorporated into the tissues as a part of the life processes. This takes several days, it is in fact a sort of feeding of water. In human nutrition water must be considered a valuable constituent to the protoplasm. In most cases we do not distinguish between mere plumpness due to the presence of much water in the tissues, and the actual deposit of fat itself, in both cases we say the person is "fat."

In the case of the oyster, the change in color must be due to some change in the nutrition, induced by the presence of the water. While the thought occurs, that there may be a precipitation due to a reduction in the salinity of the lymph, the matter requires special study. Certainly in the case of the oysters that have been in the water a few minutes only, there can be no rational claim of a loss of any of the constituents of the body to the surrounding seawater. It seems extremely improbable that in nature, when the salinity on the oyster bed is reduced by a rainfall or simply by tidal flow, that the oyster loses part of itself by diffusion. This plumping process seems to be more nearly comparable to that which occurs when vegetables that are suffering from drought are watered. The wilted tissues imbibe the water, swell up and become crisp as in the case of celery. Naturally if such vegetables were sold by weight the practice of watering would be favored, and even were they sold by count, as is the case generally with oysters, the practice would be favored, as such vegetables would naturally find better sale, though the consumer would be paying for water. In this case the consumer might prefer to buy inferior looking stock and plump it himself if he could get the unplumped celery cheaper.

Could this be done in the case of oysters, say by the retailer or by the caterer? Tanks could undoubtedly be made and the proper saline solutions be added into which the shell fish could be induced to drink, but the water so added would lack much of the character of the water in the natural creeks, and it is doubtful if the health of the shellfish would be benefited. It is also possible to plump oysters by transfer into fresh water after

opening them and removal from shell, but this is not very successful, as a life process, because the creatures die rapidly under these conditions. Altogether if floating is to be done at all, it should be done by the planter who has the proper facilities.

TRANSPORT AND STORAGE

When oysters are out of water they get tired of holding their shell shut. Now and anon they let the valves spring open and at such times they lose their free liquor. My experiments showed that floated oysters did not let their shells gape as often as those that were not floated, and furthermore that when the shell was open, scarcely any of the liquor was lost, because there was less to start with as most all of it had soaked into the oyster. As a result of this habit, the salt oyster soon dried up and in consequence died. On the other hand the floated oysters kept alive and in good condition for food for a longer period than did the unfloats ones.

It is evident that oysters that have been in storage near the oyster floats waiting for sale, will be revived and will keep better in transport and subsequent city storage if they have been floated just before being sent out. This point is a vital one, for the retailer does not want to have the oysters spoil on his hands.

From the foregoing we conclude that the practice of floating oysters is justified, and that the substance added to oyster in floating is water, which, if pure, is not an injurious ingredient either to the oyster or to the consumer. Further, that this addition is actually of benefit to the oyster and, therefore, as a consequence of benefit to the consumer. If finally, the consumer prefers unfloats oysters, it is equally plain that market facilities for supplying such oysters should be provided. They will be provided as soon as there is an instant demand for such oysters. I do not believe the planters and dealers are in a conspiracy to force people to take floated oysters or none at all.

Respectfully submitted,

JULIUS NELSON, PH D.,
Biologist, Agricultural College Experiment Station.

Atlantic County Report.

To the Bureau of Shell Fisheries.

The State Oyster Commission for the district of Atlantic county herewith respectfully submit their annual report for the year ending October 31st, 1910.

The general conditions of the oyster industry in this district appear to have been very satisfactory the past year. The planted oysters in this section have been in a good condition and the market demand for good stock has made it a profitable year for the planters and shippers.

Since the enactment of the law by the Legislature of 1910 which prohibits any person or persons from entering upon leased oyster lands other than the lessee thereof, the number of complaints from planters has been reduced to a minimum. The damages done heretofore by many upon the pretense of "wading out" clams was a serious menace in the past and the planters had a just cause for asking for relief from this nefarious practice.

At the opening of the natural seed oyster season on October 1st, 1910, the growth was found not to be a large one, and in consequence there will be quite a demand for plants during the coming spring which, of necessity, must be procured from other States, as the supply from our own natural seed beds is not sufficient to serve the plants required by the planters, consequently large sums of money will go from our own State for this purpose.

During the fiscal year just passed, the Commission has been actively engaged in extending the provisions of the law enacted by the last Legislature which allows and commands the leasing of a portion of the lands of the State under its tidal waters, situated in Great Egg Harbor river, Middle river, Tuckahoe

river and Patcong creek, suitable for the propagation of seed oysters, while the time required to locate and survey much of the territory extended beyond the time when the oyster spawns, some three hundred acres were designated and ready for leasing and about one hundred thousand bushels of "shells" were deposited on some of these lands and have become fairly well covered with the spat, which insures a more plentiful supply of seed in the near future for the planters. This coming year should show half a million bushels of shells deposited, should there be no obstacles interposed. Thousands of bushels of good healthy oysters have also been placed on these lands for the purpose of furnishing spawn. With a favorable season, the old but depleted natural seed beds which were exempted from leasing should also catch a part of this spawn, and thus become producing and profitable for the general public. The Commission believes that with the process of propagating seed oysters firmly established in this district a new and progressive era in the oyster industry will be developed, and we firmly stand for a fair and sufficient trial of the same.

Fortunately for those citizens who entered into the industry of propagating seed oysters, means for proper protection for their leased lands was furnished through the prompt and commendable action of His Excellency Governor John Franklin Fort. Owing to limited appropriations the Commission under existing conditions was unable to provide proper protection over these lands at the opening of the seed oyster season (October 1, 1910), therefore, through the efforts of His Excellency, with the assistance of the Honorable Attorney-General and Chief of the Bureau of Shell Fisheries, the Commission was placed in a position to carefully police the several rivers, which was done by competent guards. The Commission desires to express its sincere appreciation and thanks to those who aided in this important matter.

We are pleased to report that the "Culling" law was generally well obeyed in this district and we believe this is because the bay men are beginning to realize that proper "culling" results in great benefit to themselves in the end, as hereby a

sufficient cult is kept on the bottom from which a better catch will be secured the following season.

Since the repeal of the law (by the last Legislature) which required each bay man to take out a tonger's license of two dollars and fifty cents before he could enter upon the natural seed beds at the opening of the season, a more satisfactory feeling has developed, because such a license was always considered an unwarranted imposition for which no return was received. To this contention the Commission heartily agreed.

The following shows the expenditures of the Commission for the year ending October 31, 1910.

| | |
|--|-------------|
| For patrol service, | \$1,677. 50 |
| For office rent, stationery and incidentals, | 249. 25 |
| For survey, oyster grounds, | 148. 75 |
| | <hr/> |
| Total, | \$2,075. 50 |

Respectfully submitted,

HARRY H. POSTOLL,
R. M. SOOY,
ISAAC SMALLWOOD.

Commissioners.

Delaware Bay and Maurice River Cove Report.

To the Bureau of Shell Fisheries

Pursuant to and in conformity with the provisions of the Act of April 14, 1903 (P. L. 1903, p 709), the undersigned, New Jersey State Oyster Commission, make this our annual report for the fiscal year ending October 31, 1910.

During the past year the subject of paramount importance to those engaged in the oyster business in this State has been that of the sanitary conditions of the oyster grounds and floats. Great interest was manifested by the oystermen of the Maurice River Cove territory in the proceedings before the Board of Food and Drug Inspection of the United States Department of Agriculture, and a large number of representative oystermen and others attended the hearings in the city of Washington in March last. United States Senators Kean and Briggs, Congressman Gardner, State Senator Minch, William H. Chew, of the State Board of Health, the Chief of the Bureau of Shell Fisheries and many others were indefatigable in their efforts to protect and preserve to us our great and important industry. A modification of the original order was finally obtained which enables the business to continue under proper and wholesome regulations.

The agitation has been productive of lasting benefit. Attention was thereby directed to conditions which, while harmless in themselves, might in time have been the basis of injurious results. None were more quick to realize this than the Maurice River Cove Oyster Shippers' Association. They immediately raised by subscription a fund of upwards of three thousand dollars, and with the prompt and efficient co-operation of the Board

of Health of Commercial Township and the Central Railroad Company of New Jersey, have worked a complete change in local conditions at Bivalve. An entire colony of nearly fifty families have been removed from the vicinity of the wharves, the land filled in with slag, a new channel four thousand feet long has been dug across the marsh, into which passes all the drainage from the adjacent villages. A portion of the river front has been dredged, and sanitary conditions at Bivale are now of such a character that the State Board of Health can give to every shipper a certificate that his grounds and floats comply with all necessary requirements of the pure food and health laws and regulations.

The protective laws have been well observed.

Reports indicate an abundant catch of spat in the bay, above the southwest line. During the past three years conditions have been more favorable to propagation than to subsequent growth, and the oysters in the Cove, while abundant, are not so large as in former years.

We beg leave to refer to the annexed report of our superintendent for detailed statement of our receipts. Moneys expended under our supervision are shown in the report of the State Comptroller.

Respectfully submitted,

EDMUND STITES, JR.,
 ERNEST L. MULFORD,
 OGDEN GANDY,
 WILLIAM SHILLINGSBURY,
State Oyster Commission.

Superintendent's Report.

GENTLEMEN—I herewith submit to you my report as oyster superintendent for the fiscal year ending October 31, 1910. Annexed hereto, and made a part hereof, you will find schedules showing the names and post-office addresses of all lessees and the number of acres leased to them; also the name and post-office address of the owner or master of all boats or vessels licensed, including the name and tonnage of such boat or vessel. For the purpose of aiding planters in easily ascertaining by the ground number and section the name of lessee or lessees of grounds adjacent to their holdings in Maurice River Cove, I have attached to this report a schedule showing the name of lessee or lessees, the ground number, and section of all grounds in Sections A, B, C, and D, respectively, as shown on map or plan of oyster grounds on file in this office. The following statement shows receipts from all sources during the fiscal year 1910:

| | |
|--|-------------|
| From licenses issued to vessels in Delaware Bay, | \$10,150 00 |
| From leases issued for oyster grounds in Maurice River Cove, | 13,158 00 |
| From survey fees for oyster grounds in Maurice River Cove, | 1,557 50 |
| From sale of maps of oyster grounds in Maurice River Cove, | 2 50 |
| From sale of old metal from steamer "Cypher," | 5 00 |
| From licenses issued to vessels in Raritan Bay, | 108 00 |
| From leases issued for oyster grounds in Raritan Bay, | 435 50 |
| Total receipts, | \$25,416 50 |

Thanking you, gentlemen, for the courtesy and support you have at all times extended to me in the duties pertaining to this office, this report is respectfully submitted.

A. T. BACON,
State Oyster Superintendent

November 1, 1910.

Ocean County Report.

To the Bureau of Shell Fisheries.

Pursuant to the provisions of the Act of March 26, 1902 (P. L. 1902, page 170), the undersigned, the State Oyster Commission for the district of Ocean county, make this their annual report for the period ending October 31, 1910.

In submitting our annual report for the period above named we desire to say briefly that the work of the past year and the present condition of the oyster business thoroughly convinces us that our recommendations in former reports stand good to-day.

The all-absorbing topic is "Oyster Seed." It has been clearly shown that our people cannot pay the exorbitant prices for foreign seed and hope for any adequate return on their capital invested. Superintendent Horner has clearly pointed out the remedy, in the enactment of a law providing for the leasing of barren and unproductive lands in the waters of this district admirably adopted to the propagation of oyster seed.

We are now at a standstill with this great industry in our bays and unless the Legislature comes to our rescue with some legislation on the lines indicated the oyster business will go to other States and our people will be obliged to seek other employment.

We thank you for the valuable aid we have received from time to time from your Bureau.

Respectfully submitted,

PHILIP R. SPRAGUE,
LORENZO D. ROBBINS,
JESSE GRANT,

Commissioners.

Superintendent's Report.

GENTLEMEN—I herewith submit to you my annual report for the period ending October 31, 1910. The conditions surrounding the oyster business in our district to-day are practically the same as in former years. It is much to be regretted that we have fallen into this rut, and urge you to put forth your best efforts to bring these matters before the Legislature and if possible show that great possibilities can be opened up, but before we can take advantage of the means at hand, laws must be enacted permitting the leasing of grounds suitable for the propagation of oyster seed.

As I have stated in my former reports, it is now necessary to import seed from other States to be cultivated on leased ground in this county. It should be possible for the citizens of the State to lease now unproductive grounds which are suitable only for propagation of seed. Great economy would thereby be effected and new avenues created for the benefit of the citizens and a decided benefit to the State in increased revenues derived for rentals of what is now barren and unproductive lands.

This subject has been carefully gone over in my former reports and I cannot urge its consideration too strongly.

The following is a complete list of all lessees of oyster grounds in Ocean county with their acreage and price.

Receipts for leases issued for oyster grounds in Ocean county are \$2,367.

Respectfully submitted,

E. A. HORNER, JR.,
Superintendent.

Shark River District.

Report of the oyster and clam commissioner of the district of Shark river, in the county of Monmouth, for the year ending October 1, 1910, pursuant to Chapter 14 of the Laws of 1905, entitled "An act for the regulation, protection and control of the planting, cultivating and the gathering or taking of oysters and clams on lands covered with water in Shark river, in the county of Monmouth," approved March 7, 1905.

| | |
|--|----------|
| Receipts from oyster bed leases, | \$240 00 |
|--|----------|

DISBURSEMENTS

| | |
|--|----------|
| April 2d, thirty two-cent stamps, | \$0 60 |
| May 5th, twenty-five two-cent stamps and stationery, | 65 |
| September 8th, ten stamps and stationery, | 25 |
| | 1 50 |
| Balance, | \$238 50 |

STATE OF NEW JERSEY, }
COUNTY OF MONMOUTH, } ss.

A. Frank Bennett, Jr., of full age, being duly sworn according to law, upon his oath, saith, that he is the oyster and clam commissioner named in the foregoing report; that the same is a true and correct account of his receipts and disbursements for the year ending October 1, 1910, to the best of his knowledge and belief, for the said Shark river oyster and clam district

Sworn and subscribed before me this 26th day of October, A. D. 1910.

A. FRANK BENNETT, JR.,
Oyster and Clam Commissioner, District of Shark River
EDWIN F. BENNETT,
Notary Public

Oyster Bed Leases—Atlantic County.

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|------------------------|------------------|------|---------|--------|--------------|--------|
| | | | | | | |
| Allen, Jos B, Jr | New Gretna, | 90a | 7 44 | \$7 50 | Sept 1, 1910 | 1 year |
| Allen, Samuel B, | New Gretna, | 227a | 1 75 | 1 75 | Sept 1, 1910 | 1 year |
| Bailey, John L, | Atlantic City, | | 5 57 | 5 75 | Sept 1, 1910 | 1 year |
| Boice, Hailan P, | Absecon, | 169a | 7 50 | 7 50 | Sept 1, 1910 | 1 year |
| Boice, Harry B, | Absecon, | | 1 95 | 2 00 | Sept 1, 1910 | 1 year |
| Bowen, Arthur S, | Leeds Point, | 218a | 3 89 | 4 00 | Sept 1, 1910 | 1 year |
| Bowen, Bartine, | Leeds Point, | 126a | 80 | 1 00 | Sept 1, 1910 | 1 year |
| Bowen, Elwood, | Pleasantville, | 206a | 5 65 | 5 75 | Sept 1, 1910 | 1 year |
| Bowen, J Clark, | Leeds Point, | 152a | 5 92 | 6 00 | Sept 1, 1910 | 1 year |
| Bowen, Samuel G, | Pleasantville, | | 1 08 | 1 25 | Sept 1, 1910 | 1 year |
| Bowen, Samuel G, | Pleasantville, | 23a | 8 63 | 8 75 | Sept 1, 1910 | 1 year |
| Bowen, Somers L, | Pleasantville, | 24a | 8 60 | 8 75 | Sept 1, 1910 | 1 year |
| Bowen, Thomas, | Pleasantville, | 207a | 3 25 | 3 25 | Sept 1, 1910 | 1 year |
| Brand, George, | Poit Republic | 221a | 1 75 | 1 75 | Sept 1, 1910 | 1 year |
| Collins, Almira, | Pleasantville, | 201a | 1 75 | 1 75 | Sept 1, 1910 | 1 year |
| Collins, Burriss, | Pleasantville, | 80a | 5 46 | 5 50 | Sept 1, 1910 | 1 year |
| Collins, Harry, | Pleasantville, | 30a | 9 73 | 9 75 | Sept 1, 1910 | 1 year |
| Collins, Hugh, | Pleasantville, | 25a | 8 69 | 8 75 | Sept 1, 1910 | 1 year |
| Collins, Isaac, | Pleasantville, | 28a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Collins, John, | Pleasantville, | 27a | 2 16 | 2 25 | Sept 1, 1910 | 1 year |
| Collins, John H, | Pleasantville, | 29a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Collins, Kate B., | Pleasantville, | 26a | 4 22 | 4 25 | Sept 1, 1910 | 1 year |
| Collins, Lousa, | Smith's Landing, | 31a | 3 95 | 4 00 | Sept 1, 1910 | 1 year |
| Conover, Alfred, | Atlantic City, | 92a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Conover, Chester, | Oceanville, | | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Conover, Enoch, | Oceanville, | 162a | 1 13 | 1 25 | Sept 1, 1910 | 1 year |
| Conover, George, | Absecon, | 223a | 7 00 | 7 00 | Sept 1, 1910 | 1 year |
| Conover, George, | Absecon, | 237a | 90 | 1 00 | Sept 1, 1910 | 1 year |
| Conover, Gilbert, | Absecon, | 154 | 8 00 | 8 00 | Sept 1, 1910 | 1 year |
| Conover, Harry, | Atlantic City, | | 3 00 | 3 00 | Sept 1, 1910 | 1 year |
| Conover, Harry B, | Absecon, | | 1 95 | 2 00 | Sept 1, 1910 | 1 year |
| Conover, Harry B, | Absecon, | 260a | 1 20 | 1 25 | Sept 1, 1910 | 1 year |
| Conover, Joel A, | Atlantic City, | 91a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Conover, John F, | Atlantic City | 96a | 2 71 | 2 75 | Sept 1, 1910 | 1 year |
| Conover, Leon, | Absecon, | 164a | 2 48 | 2 50 | Sept 1, 1910 | 1 year |
| Conover, Micajah H | Absecon, | 165a | 6 20 | 6 25 | Sept 1, 1910 | 1 year |
| Conover, Priscilla, | Absecon, | 224a | 7 21 | 7 25 | Sept 1, 1910 | 1 year |
| Conover, Priscilla, | Absecon, | 238a | 1 49 | 1 50 | Sept 1, 1910 | 1 year |
| Conover, Roland A, | Oceanville | 128a | 1 50 | 1 50 | Sept 1, 1910 | 1 year |
| Conover, William, | Atlantic City | 93a | 1 73 | 1 75 | Sept 1, 1910 | 1 year |
| Conover, Willis R, | Oceanville, | 153a | 3 14 | 3 25 | Sept 1, 1910 | 1 year |
| Conover, Qeph I, | Atlantic City, | 19a | 7 00 | 7 00 | Sept 1, 1910 | 1 year |
| Cramer, Albert F, | Atlantic City, | 129a | 1 03 | 1 25 | Sept 1, 1910 | 1 year |
| Cramer, Albert F, | New Gretna, | 180a | 1 97 | 2 00 | Sept 1, 1910 | 1 year |
| Cramer, Arnold, & C S, | New Gretna, | 189a | 53 | 1 00 | Sept 1, 1910 | 1 year |
| Darby, John A, | New Gretna | 188a | 2 09 | 2 25 | Sept 1, 1910 | 1 year |
| Dennis, Burns F, | Sculville, | 32a | 6 25 | 6 25 | Sept 1, 1910 | 1 year |
| Dennis, Chas B, | Sculville, | 33a | 94 | 1 00 | Sept 1, 1910 | 1 year |
| Dennis, Chas, & Henry, | Sculville, | 34a | 2 40 | 2 50 | Sept 1, 1910 | 1 year |
| Dennis, Henry B, | Sculville | 35a | 2 57 | 2 75 | Sept 1, 1910 | 1 year |
| Doughty, B F, | Atlantic City | 176a | 47 | 1 00 | Sept 1, 1910 | 1 year |
| Doughty, David, | Oceanville, | 195a | 73 | 1 00 | Sept 1, 1910 | 1 year |
| Doughty, Edward C | Oceanville, | 182a | 80 | 1 00 | Sept 1, 1910 | 1 year |
| Doughty, Ezra, | Oceanville, | 183a | 1 79 | 2 00 | Sept 1, 1910 | 1 year |
| Doughty, F Fraley, | Absecon, | 174a | 3 70 | 3 75 | Sept 1, 1910 | 1 year |
| Farbrothers, Charles, | Pleasantville, | 38a | 4 25 | 4 25 | Sept 1, 1910 | 1 year |
| Farbrothers, Lewis, | Pleasantville, | 39a | 5 00 | 5 00 | Sept 1, 1910 | 1 year |
| Fish, Alex, | Pleasantville | 36a | 6 88 | 7 00 | Sept 1, 1910 | 1 year |
| Fish, Sadie J, | Pleasantville, | | 4 00 | 4 00 | Sept 1, 1910 | 1 year |
| Fish, William, | Ocean City, | 37a | 9 14 | 9 25 | Sept 1, 1910 | 1 year |
| Garrison, Dennis, | Sculville, | 181a | 3 11 | 3 25 | Sept 1, 1910 | 1 year |
| Garwood, Richard, | Pleasantville, | 40a | 5 12 | 5 25 | Sept 1, 1910 | 1 year |
| Garwood, Richard, | Pleasantville, | | 2 00 | 2 00 | Sept 1, 1910 | 1 year |

OYSTER BED LEASES—ATLANTIC COUNTY—Continued

| NAME | ADDRESS | No | Acceage | Amount | Date | Term |
|----------------------------------|----------------|------|---------|--------|--------------|--------|
| Gaskill, Thomas J, . . . | New Gretna, | 187a | 1 35 | \$1 50 | Sept 1, 1910 | 1 year |
| Gaberson, H A., & Smith, D K, | Leeds Point, | 213a | 4 74 | 4 75 | Sept 1, 1910 | 1 year |
| Giberson, Richard, | Absecon, | 118a | 1 30 | 1 50 | Sept 1, 1910 | 1 year |
| Giberson, Samuel, | Absecon, | 115a | 5 17 | 5 25 | Sept 1, 1910 | 1 year |
| Giberson, Thomas D, | Leeds Point, | 121a | 3 68 | 3 75 | Sept 1, 1910 | 1 year |
| Giberson, Thomas D, | Leeds Point, | 219a | 2 37 | 2 50 | Sept 1, 1910 | 1 year |
| Hackney, Steven R, | Margate City, | 1 50 | 1 50 | 1 50 | Sept 1, 1910 | 1 year |
| Hammell, Chas P, | Absecon, | 198a | 9 84 | 10 00 | Sept 1, 1910 | 1 year |
| Hammell, Chas P, . . | Absecon, | 117a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Hammell, Elnora M, | Absecon, | 199a | 3 07 | 3 25 | Sept 1, 1910 | 1 year |
| Hammell, William A., | Absecon, | 178a | 5 94 | 6 00 | Sept 1, 1910 | 1 year |
| Hand, William E, | Ventnor City, | 2 00 | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Headley, Parker C, | Tuckerton, | 136a | 1 45 | 1 50 | Sept 1, 1910 | 1 year |
| Hewitt, Wilson, | Poit Republic, | 243a | 1 61 | 1 75 | Sept 1, 1910 | 1 year |
| Higbee, Allen C, | Leeds Point, | 131a | 3 67 | 3 75 | Sept 1, 1910 | 1 year |
| Higbee, James W, | Leeds Point, | 155a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Higbee, Job M, | Leeds Point, | 130a | 4 02 | 4 25 | Sept 1, 1910 | 1 year |
| Higbee, John G, | Leeds Point, | 132a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Higbee, Somers T, | Leeds Point, | 134a | 2 14 | 2 25 | Sept 1, 1910 | 1 year |
| Higbee, Somers T, | Leeds Point, | 261a | 1 15 | 1 25 | Sept 1, 1910 | 1 year |
| Hilton, Hannah, | Pleasantville, | 228a | 1 81 | 2 00 | Sept 1, 1910 | 1 year |
| Hilton, John M, . . . | Pleasantville, | 41a | 9 88 | 10 00 | Sept 1, 1910 | 1 year |
| Holdzkone, David, . . | Brigantine, | 241a | 2 28 | 2 50 | Sept 1, 1910 | 1 year |
| Holdzkone, Edward, | Brigantine, | 98a | 6 69 | 6 75 | Sept 1, 1910 | 1 year |
| Holdzkone, Henry P, | Brigantine, | 100a | 1 62 | 2 00 | Sept 1, 1910 | 1 year |
| Holdzkone, Samuel E, | Brigantine, | 177a | 3 06 | 3 25 | Sept 1, 1910 | 1 year |
| Holdzkone, William, | Brigantine, | 124a | 1 48 | 1 50 | Sept 1, 1910 | 1 year |
| Honer, Julius, | Oceanville, | 226a | 1 30 | 1 50 | Sept 1, 1910 | 1 year |
| Horton, Chas M, | Pleasantville, | 1 60 | 1 60 | 1 75 | Sept 1, 1910 | 1 year |
| Horton, Chas M, | Pleasantville, | 44a | 7 12 | 7 25 | Sept 1, 1910 | 1 year |
| Horton, Edward, | Pleasantville, | 1 00 | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Horton, Edward, | Pleasantville, | 43a | 1 11 | 1 25 | Sept 1, 1910 | 1 year |
| Horton, Howard, | Pleasantville, | 2 34 | 2 34 | 2 50 | Sept 1, 1910 | 1 year |
| Horton, Howard, | Pleasantville, | 45a | 1 92 | 2 00 | Sept 1, 1910 | 1 year |
| Horton, Peter, | Pleasantville, | 6 44 | 6 50 | 6 50 | Sept 1, 1910 | 1 year |
| Horton, Willis, | Pleasantville, | 3 21 | 3 25 | 3 25 | Sept 1, 1910 | 1 year |
| Horton, Willis, | Pleasantville, | 48a | 2 16 | 2 25 | Sept 1, 1910 | 1 year |
| Ingersoll, J B, & Chas., | English Creek, | 242a | 5 04 | 5 25 | Sept 1, 1910 | 1 year |
| Ingersoll, Morris A, . . . | Pleasantville, | 49a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Ingersoll, Morris A., | Pleasantville, | 3 75 | 3 75 | 3 75 | Sept 1, 1910 | 1 year |
| Ingersoll, Morris A., | Pleasantville, | 6 00 | 6 00 | 6 00 | Sept 1, 1910 | 1 year |
| Ireland, Japhet, | Oceanville, | 139a | 1 10 | 1 25 | Sept 1, 1910 | 1 year |
| Jacobson, Chas, . . . | Oceanville, | 191a | 2 64 | 2 75 | Sept 1, 1910 | 1 year |
| Jeffries, Andrew, | Steelmanville, | 192a | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Jeffries, Richard S, | Steelmanville, | 53a | 6 83 | 7 00 | Sept 1, 1910 | 1 year |
| Lafferty, Walter, . . . | Pleasantville, | 50a | 5 72 | 5 75 | Sept 1, 1910 | 1 year |
| Lake, Albert P, . . . | Pleasantville, | 52a | 7 31 | 7 50 | Sept 1, 1910 | 1 year |
| Lake, Henry, | Pleasantville, | 263a | 1 54 | 1 75 | Sept 1, 1910 | 1 year |
| Lee Frankhn, | Scullville, | 197a | 3 51 | 3 75 | Sept 1, 1910 | 1 year |
| Leeds & Blackman, | Oceanville, | 141a | 3 13 | 3 25 | Sept 1, 1910 | 1 year |
| Leeds, Chas A, . . . | Leeds Point, | 172a | 3 39 | 3 50 | Sept 1, 1910 | 1 year |
| Leeds, Edward, | Oceanville, | 123a | 4 93 | 5 00 | Sept 1, 1910 | 1 year |
| Leeds, Warren C N, . . | Brigantine, | 211a | 2 70 | 2 75 | Sept 1, 1910 | 1 year |
| Loudenslager, William B | Ventnor City, | 142a | 3 75 | 3 75 | Sept 1, 1910 | 1 year |
| Loveland, Reuben A, | New Gretna, | 171a | 5 07 | 5 25 | Sept 1, 1910 | 1 year |
| Mathews, D L, | Oceanville, | 103a | 1 20 | 1 25 | Sept 1, 1910 | 1 year |
| Mathews, George, Jr, | Oceanville, | 156a | 8 80 | 9 00 | Sept 1, 1910 | 1 year |
| Mathews, George W, | Oceanville, | 104a | 1 29 | 1 50 | Sept 1, 1910 | 1 year |
| Mathews, Goldwin, | Oceanville, | 105a | 1 82 | 2 00 | Sept 1, 1910 | 1 year |
| Mathews, Samuel C, | Oceanville, | 144a | 1 57 | 1 75 | Sept 1, 1910 | 1 year |
| Mathus, Alvin L, | New Gretna, | 2 00 | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Mathus, Caleb, | Pleasantville, | 248a | 5 62 | 5 75 | Sept 1, 1910 | 1 year |
| Mathus, Caleb B, Jr, | Pleasantville, | 85a | 3 41 | 3 50 | Sept 1, 1910 | 1 year |
| Mathus, Caleb B, Jr, | Pleasantville, | 145a | 2 13 | 2 25 | Sept 1, 1910 | 1 year |

OYSTER BED LEASES—ATLANTIC COUNTY—Continued.

| NAME | ADDRESS | No | Acceage | Amount | Date | Term |
|---------------------------------|------------------|------|---------|---------|--------------|--------|
| Mathus, Ella, | Pleasantville, | 57a | 10 00 | \$10 00 | Sept 1, 1910 | 1 year |
| Mathus, Ezra B, | Pleasantville, | 60a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Mathus, Gilbert, | Pleasantville, | 58a | 9 82 | 10 00 | Sept 1, 1910 | 1 year |
| Mathus, John, | Pleasantville, | 25 | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Mathus, John F, | Leeds Point, | 143a | 3 44 | 3 50 | Sept 1, 1910 | 1 year |
| Mathus, Pitman E, | New Gretna, | 146a | 1 03 | 1 25 | Sept 1, 1910 | 1 year |
| Mathus, William H, | Pleasantville, | 56a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| McKeague, H S, | Scullville, | 12a | 1 44 | 1 50 | Sept 1, 1910 | 1 year |
| Middleton, Frank, & Johnson, | Atlantic City, | 216a | 8 26 | 8 50 | Sept 1, 1910 | 1 year |
| Mitchell, Levi, | Pleasantville, | 54a | 1 25 | 1 25 | Sept 1, 1910 | 1 year |
| Mitchell, William, | Pleasantville, | 55a | 4 42 | 4 50 | Sept 1, 1910 | 1 year |
| Powers, Elwood M, | Linwood, | 15a | 1 88 | 2 00 | Sept 1, 1910 | 1 year |
| Powers, Jeremiah, | Linwood, | 16a | 3 00 | 3 00 | Sept 1, 1910 | 1 year |
| Price, Job C, | Brigantine, | 99a | 1 51 | 1 75 | Sept 1, 1910 | 1 year |
| Price, Samuel, | Brigantine, | 215a | 3 63 | 3 75 | Sept 1, 1910 | 1 year |
| Reed, Bodine C, | Oceanville, | 111a | 2 63 | 2 75 | Sept 1, 1910 | 1 year |
| Reed, Wilus W, | Oceanville, | 107a | 1 59 | 1 75 | Sept 1, 1910 | 1 year |
| Risley, Edward P, | Northfield, | 72 | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Risley, Ephraim, | Pleasantville, | 64a | 4 88 | 5 00 | Sept 1, 1910 | 1 year |
| Risley, Harry C, | Pleasantville, | 71a | 7 85 | 8 00 | Sept 1, 1910 | 1 year |
| Risley, Herman, & Curtis, | Pleasantville, | 63a | 9 20 | 9 25 | Sept 1, 1910 | 1 year |
| Risley, Job C, | Pleasantville, | 67a | 3 80 | 4 00 | Sept 1, 1910 | 1 year |
| Risley, Obadiah, | Pleasantville, | 69a | 4 91 | 5 00 | Sept 1, 1910 | 1 year |
| Risley, Richard I, | Smith's Landing, | 66a | 8 13 | 8 25 | Sept 1, 1910 | 1 year |
| Risley, Sylvia B, | Smith's Landing, | 88a | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Robbins, L D, | New Gretna, | 148a | 1 06 | 1 25 | Sept 1, 1910 | 1 year |
| Robinson, David S, | Scullville, | 13a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Scott, Robert M, . . . | Leeds Point, | 159a | 10 00 | 10 00 | Sept 1, 1910 | 1 year |
| Scull, Alfred S, . . . | Linwood, | 89a | 1 07 | 1 25 | Sept 1, 1910 | 1 year |
| Scull, Ezekiel, | Scullville, | 10a | 6 43 | 6 50 | Sept 1, 1910 | 1 year |
| Scull, John B, | Linwood, | 200a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Scull, M V B, . . . | Atlantic City, | 151a | 3 00 | 3 00 | Sept 1, 1910 | 1 year |
| Scull, Thomas B, | Leeds Point, | 158a | 3 49 | 3 50 | Sept 1, 1910 | 1 year |
| Severn, Joseph, . . . | Brigantine, | 240a | 92 | 1 00 | Sept 1, 1910 | 1 year |
| Showell, Alfred, | Absecon, | 114a | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Showell, George D, | Absecon, | 225a | 1 94 | 2 00 | Sept 1, 1910 | 1 year |
| Smith, Aaron R, . . . | Scullville, | 6a | 6 38 | 6 50 | Sept 1, 1910 | 1 year |
| Smith, Abel W, . . . | Scullville, | 5a | 8 94 | 9 00 | Sept 1, 1910 | 1 year |
| Smith, Alfred B, | Brigantine, | 175a | 3 24 | 3 25 | Sept 1, 1910 | 1 year |
| Smith, David T, | Scullville, | 4a | 6 12 | 6 25 | Sept 1, 1910 | 1 year |
| Smith, Edwin, | Oceanville, | 184a | 57 | 1 00 | Sept 1, 1910 | 1 year |
| Smith, Japhet, | Scullville, | 239a | 3 18 | 3 25 | Sept 1, 1910 | 1 year |
| Smith, J Frank, | Brigantine, | 186a | 2 18 | 2 25 | Sept 1, 1910 | 1 year |
| Smith, John E, | Oceanville, | 233a | 2 46 | 2 50 | Sept 1, 1910 | 1 year |
| Smith, John H, | Scullville, | 2a | 7 87 | 8 00 | Sept 1, 1910 | 1 year |
| Smith, Joseph S, | Absecon, | 250a | 2 70 | 2 75 | Sept 1, 1910 | 1 year |
| Smith, Theodore, | Scullville, | 1a | 8 18 | 8 28 | Sept 1, 1910 | 1 year |
| Smith, Thompson, | Pleasantville, | 79a | 2 50 | 2 50 | Sept 1, 1910 | 1 year |
| Smith, Wesley C, | Absecon, | 249a | 2 60 | 2 75 | Sept 1, 1910 | 1 year |
| Smith, William J, | Oceanville, | 185a | 3 98 | 4 00 | Sept 1, 1910 | 1 year |
| Somers, Bodine C, | Oceanville, | 244a | 2 00 | 2 00 | Sept 1, 1910 | 1 year |
| Somers, Bodine C, | Oceanville, | 70 | 1 00 | 1 00 | Sept 1, 1910 | 1 year |
| Somers, Boice, | Scullville, | 8a | 3 75 | 3 75 | Sept 1, 1910 | 1 year |
| Somers, Chas, & Dennis, Wm, | Scullville, | 9a | 2 12 | 2 25 | Sept 1, 1910 | 1 year |
| Somers, Emily S, | Linwood, | 4 00 | 4 00 | 4 00 | Sept 1, 1910 | 1 year |
| Somers, Ezekiel, | Oceanville, | 108a | 4 29 | 4 50 | Sept 1, 1910 | 1 year |
| Somers, Harris, . . . | Oceanville, | 110a | 1 66 | 1 75 | Sept 1, 1910 | 1 year |
| Somers, Harry C, | Oceanville, | 109a | 1 95 | 2 00 | Sept 1, 1910 | 1 year |
| Somers, Jackson, | Steelmanville, | 7a | 2 50 | 2 50 | Sept 1, 1910 | 1 year |
| Somers, Jas S, | Linwood, | 17a | 5 57 | 5 75 | Sept 1, 1910 | 1 year |
| Somers, Leon, | Somers Point, | 193a | 8 71 | 8 75 | Sept 1, 1910 | 1 year |
| Somers, Mark S, | Oceanville, | 113a | 1 74 | 1 75 | Sept 1, 1910 | 1 year |
| Somers, Richard J, | Linwood, | 18a | 9 86 | 10 00 | Sept 1, 1910 | 1 year |

OYSTER BED LEASES—ATLANTIC COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | | Term |
|-----------------------|------------------|------|---------|--------|------|---------|--------|
| | | | | | | | |
| Somers, Sylvester, | Scullville, | 14a | 4 12 | \$4 25 | Sept | 1, 1910 | 1 year |
| Sooy, Daniel T., Jr., | New Gretna, | | 10 00 | 10 00 | Sept | 1, 1910 | 1 year |
| Sooy, Elphra, | Pleasantville, | 77a | 10 00 | 10 00 | Sept | 1, 1910 | 1 year |
| Sooy, E M, J E & J M, | Leeds Point, | 262a | 1 92 | 2 00 | Sept | 1, 1910 | 1 year |
| Sooy, Nancy, | Pleasantville, | 78a | 8 00 | 8 00 | Sept | 1, 1910 | 1 year |
| Sooy, Samuel B., | Pleasantville, | 76a | 6 77 | 7 00 | Sept | 1, 1910 | 1 year |
| Stebbins, Job C., | Pleasantville, | | 2 14 | 2 25 | Sept | 1, 1910 | 1 year |
| Steelman, Frank, | Steelmanville, | 208a | 5 24 | 5 25 | Sept | 1, 1910 | 1 year |
| Strickland, Daniel, | Oceanville, | 222a | 2 00 | 2 00 | Sept | 1, 1910 | 1 year |
| Strickland, Hy. F., | Leeds Point, | | 5 57 | 5 75 | Sept | 1, 1910 | 1 year |
| Valent, George, | Tuckerton, | 254a | 2 77 | 3 00 | Sept | 1, 1910 | 1 year |
| Webb, George, | Margate City, | | 3 00 | 3 00 | Sept | 1, 1910 | 1 year |
| Willetts, Fred W., | Brigantine, | 120a | 3 71 | 3 75 | Sept | 1, 1910 | 1 year |
| Yates, Jesse, | Atlantic City, | 245a | 1 14 | 1 25 | Sept | 1, 1910 | 1 year |
| York, Willam, | Smith's Landing, | | 2 40 | 2 50 | Sept | 1, 1910 | 1 year |

Oyster Propagating Bed Leases—Atlantic County.

| NAME | ADDRESS. | No | Acreage | Amount. | Date | | Term |
|-----------------------|----------------|----|---------|---------|------|---------|--------|
| | | | | | | | |
| Bensel, Frank J., | Atlantic City, | 28 | 4 30 | \$13 50 | Sept | 1, 1910 | 1 year |
| Boice, Fred C., | Absecon, | 52 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Boice, Harry, | Absecon, | 25 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Conover, Gilbert, | Absecon, | 40 | 4 60 | 14 25 | Sept | 1, 1910 | 1 year |
| Corson, Chas L., | Linwood, | 32 | 4 12 | 12 75 | Sept | 1, 1910 | 1 year |
| Delaney, R E., | Atlantic City, | 22 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Dennis, Burris F., | Scullville, | 8 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Dennis, Chas B., | Scullville, | 7 | 4 00 | 12 00 | Sept | 1, 1910 | 1 year |
| Dennis, Georgette, | Scullville, | 45 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Dennis, Harry B., | Scullville, | 9 | 4 45 | 13 50 | Sept | 1, 1910 | 1 year |
| Dennis, Willham, | Steelmanville, | 5 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Doughty, F F., | Absecon, | 45 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| English, Walter, | English Creek, | 12 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Garrison, D L., | Scullville, | 24 | 3 00 | 9 00 | Sept | 1, 1910 | 1 year |
| Gillson, Alfred, | Atlantic City, | 57 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Goff, A W., | Atlantic City, | 18 | 4 40 | 13 50 | Sept | 1, 1910 | 1 year |
| Holland, Edward J., | Atlantic City, | 10 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Jeffers, Andrew B., | Scullville, | 27 | 4 50 | 13 50 | Sept | 1, 1910 | 1 year |
| Jeffers, Benjamin C., | Scullville, | 11 | 4 00 | 12 00 | Sept | 1, 1910 | 1 year |
| Jeffers, George B., | Scullville, | 6 | 4 50 | 13 50 | Sept | 1, 1910 | 1 year |
| Kuehne, Louis, . . . | Atlantic City, | 21 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Lashley, Clarence, | Scullville, | 16 | 2 00 | 6 00 | Sept | 1, 1910 | 1 year |
| Lee, Oliver A., . . . | English Creek, | 34 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Reed, Oris, . . . | Atlantic City, | 46 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Robinson, Dave S., | Scullville, | 29 | 2 00 | 6 00 | Sept | 1, 1910 | 1 year |
| Scull, James G., | Somers Point, | 33 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Scull, M V B., | Atlantic City, | 20 | 4 47 | 13 50 | Sept | 1, 1910 | 1 year |
| Scull, Wesley, | English Creek, | 13 | 3 50 | 10 50 | Sept | 1, 1910 | 1 year |
| Sharp, Jos., | Atlantic City, | 19 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Smith, Aaron R., | Scullville, | 23 | 3 55 | 9 00 | Sept | 1, 1910 | 1 year |
| Smith, Abel W., | Scullville, | 3 | 4 44 | 13 50 | Sept | 1, 1910 | 1 year |
| Smith, Enoch, | Scullville, | 51 | 4 80 | 15 00 | Sept | 1, 1910 | 1 year |
| Smith, John H., | Scullville, | 17 | 3 00 | 9 00 | Sept | 1, 1910 | 1 year |
| Smith, Theodore, | Scullville, | 15 | 4 00 | 12 00 | Sept | 1, 1910 | 1 year |
| Somers, Boice, Jr., | Scullville, | 54 | 2 00 | 6 00 | Sept | 1, 1910 | 1 year |
| Somers, Boice, Sr., | Scullville, | 4 | 3 75 | 11 25 | Sept | 1, 1910 | 1 year |
| Somers, Edward S., | Somers Point, | 35 | 3 00 | 9 00 | Sept | 1, 1910 | 1 year |
| Somers, Jackson, | Scullville, | 14 | 2 00 | 6 00 | Sept | 1, 1910 | 1 year |
| Somers, Richard J., | Linwood, | 31 | 4 97 | 15 00 | Sept | 1, 1910 | 1 year |
| Steelman, Bolton E., | Longport, | 26 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |
| Steelman, S S., . . . | Atlantic City, | 50 | 4 30 | 13 50 | Sept | 1, 1910 | 1 year |
| Tallman, Eugene, . . | Scullville, | 1 | 3 00 | 9 00 | Sept | 1, 1910 | 1 year |
| Webb, George S., | Margate City, | 2 | 4 16 | 12 75 | Sept | 1, 1910 | 1 year |
| Willetts, Fred W., | Brigantine, | 38 | 5 00 | 15 00 | Sept | 1, 1910 | 1 year |

Oyster Bed Leases--Delaware Bay.

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|--|-----------------------------|----------|------------|----------------|--------------------------------|------------------|
| Abbott, Abdon, Sr., . . . | Port Norris, | 8 | 16 | \$8 00 | June 20, 1910 | 1 year |
| Adams, Minnie (Mrs.), . . | Newport, | 7 | 18 | 10 50 | June 20, 1910 | 1 year |
| Adams, J Wesley, . . . | Port Norris, | 2 | 77 | 45 50 | June 20, 1910 | 1 year |
| Adams, J W, & Robbins, D T, . . . | Port Norris, | 5 | 5 | 5 00 | June 20, 1910 | 1 year |
| Adams & Cobb, . . . | Port Norris, | 6 | *20 | 10 00 | June 20, 1910 | 1 year |
| Adams & Cook, . . . | Port Norris, | 1 | 12 | 6 00 | June 20, 1910 | 1 year |
| Adams & Holmes, . . . | Port Norris, | 3 | 19 | 9 50 | June 20, 1910 | 1 year |
| Allen, Edward H, . . . | Bivalve, | 4 | 38 | 20 50 | June 20, 1910 | 1 year |
| Bacon & Bell, . . . | Newport, | 10 | *40 | 20 00 | June 20, 1910 | 1 year |
| Bacon & Chance, . . . | Mauricetown, | 51 | *24 | 12 00 | June 20, 1910 | 1 year |
| Bacon & Lake, . . . | Port Norris, | 16 | 23 | 11 50 | June 20, 1910 | 1 year |
| Bailey, Lafayette, . . . | Dividing Creek, | 21 | 52 | 32 00 | June 20, 1910 | 1 year |
| Bailey, Dilks, . . . | Port Norris, | 40 | 56 | 32 00 | June 20, 1910 | 1 year |
| Bailey, Peace, . . . | Port Norris, | 20 | *46 | 23 50 | June 20, 1910 | 1 year |
| Baker, Edward, . . . | Haleyville, | 14 | 18 | 8 50 | June 20, 1910 | 1 year |
| Baker & Sharp, . . . | Haleyville, | 11 | 10 | 4 00 | June 20, 1910 | 1 year |
| Bass, John M, . . . | Newport, | 63 | 18 | 13 00 | June 20, 1910 | 1 year |
| Bateman, Luther, . . . | Newport, | 33 | *303 | 146 00 | June 20, 1910 | 1 year |
| Bateman, Moses & Claude, Bateman, Rebecca R., . . | Mauricetown, Newport, | 45 17 | 34 60 | 15 50 30 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Bateman & Bateman, . . | Cedarville, | 31 | 118 | 59 00 | June 20, 1910 | 1 year |
| Bateman & Blizzard, . . | Port Norris, | 26 | 121 | 65 50 | June 20, 1910 | 1 year |
| Bateman, Blizzard & Clark, . . . | Port Norris, Cedarville, | 58 27 | 44 193 | 24 00 93 50 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Bateman & Burt, . . . | Newport, | 57 | 26 | 16 00 | June 20, 1910 | 1 year |
| Bateman & Crossley, . . | Newport, | 57 | 26 | 16 00 | June 20, 1910 | 1 year |
| Bateman, Diamant & Elmer, . . . | Cedarville Cedarville, | 28 32 | 183 *20 | 91 50 10 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Bateman & Diamant, . . . | Cedarville, | 29 | 62 | 31 50 | June 20, 1910 | 1 year |
| Bateman & Emerson, . . | Port Norris, | 23 | 28 | 19 50 | June 20, 1910 | 1 year |
| Bateman & Robbins, . . . | Fairton, | 30 | 91 | 43 50 | June 20, 1910 | 1 year |
| Bateman & Swing, . . . | Newport, | 56 | 45 | 22 50 | June 20, 1910 | 1 year |
| Bateman & Turner, . . . | Newport, | 34 | 99 | 60 50 | June 20, 1910 | 1 year |
| Bateman & Welden, . . . | Port Norris, | 59 | *40 | 19 00 | June 20, 1910 | 1 year |
| Berry, Berry & Earle, . . | Port Norris, | 25 | 77 | 31 50 | June 20, 1910 | 1 year |
| Bery, Robbins & Camp- bell, . . . | Port Norris, | 49 | *198 | 97 50 | June 20, 1910 | 1 year |
| Berry, Stultz, . . . | Port Norris, | 54 | *74 | 43 50 | June 20, 1910 | 1 year |
| Berry, William H, . . . | Port Norris, | 42 | 81 | 38 00 | June 20, 1910 | 1 year |
| Berry & Berry, . . . | Bivalve, | 53 | 26 | 12 50 | June 20, 1910 | 1 year |
| Bidwell, William, . . . | Port Norris, | 50 | *207 | 109 50 | June 20, 1910 | 1 year |
| Blackman & Blackman, . . | Cedarville, | 55 | 14 | 9 00 | June 20, 1910 | 1 year |
| Blizzard, Stetson L, . . . | Port Norris, | 47 | 79 | 34 50 | June 20, 1910 | 1 year |
| Bluxsom, Robert H, . . . | Port Norris, | 43 | *101 | 53 00 | June 20, 1910 | 1 year |
| Bornhorst, August, . . . | Dividing Creek, | 52 | *61 | 30 50 | June 20, 1910 | 1 year |
| Bowker, Chas, . . . | Port Norris, | 46 | *52 | 26 00 | June 20, 1910 | 1 year |
| Bowker & Bowker, . . . | Port Norris, | 15 | 25 | 12 50 | June 20, 1910 | 1 year |
| Bowker, Thomas, . . . | Port Norris, | 15 | 25 | 12 50 | June 20, 1910 | 1 year |
| Bowker, McDaniels & Sockwell, . . . | Port Norris, Millville, | 64 60 | 16 *14 | 8 00 5 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Boyle, Chas R., . . . | Millville, | 44 | 65 | 29 00 | June 20, 1910 | 1 year |
| Boyle, James, . . . | Newport, | 22 | 20 | 10 00 | June 20, 1910 | 1 year |
| Bradford, Alford, . . . | Newport, | 18 | *197 | 103 00 | June 20, 1910 | 1 year |
| Bradford, Chas R, . . . | Newport, | 35 | 16 | 8 00 | June 20, 1910 | 1 year |
| Bradford, Elwood, . . . | Newport, | 37 | 61 | 30 50 | June 20, 1910 | 1 year |
| Bradford, Lucius E, . . . | Mauricetown, | 19 | 31 | 15 50 | June 20, 1910 | 1 year |
| Bradford & Vannaman, . . | Bridgeton, | 61 | *30 | 15 00 | June 20, 1910 | 1 year |
| Bradshaw, John P, . . . | Cape May City, | 36 | 7 | 5 00 | June 20, 1910 | 1 year |
| Bradway, C M, . . . | Cedarville, | 38 | *241 | 126 00 | June 20, 1910 | 1 year |
| Brmeshults & Mayhew, . . | Cedarville, | 39 | 15 | 7 50 | June 20, 1910 | 1 year |
| Brmeshults, Wallen & Fithian, . . . | Newport, Newport, | 48 48 | 33 33 | 13 00 13 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Burnght, Stites & Stites, Buns, Kelsey, . . . | Dividing Creek, | 13 | *10 | 5 00 | June 20, 1910 | 1 year |

OYSTER BED LEASES--DELAWARE BAY--Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|---|------------------------------|------------|-----------|----------------|--------------------------------|------------------|
| Buzane & Garrison, | Heislerville, | 41 | *63 | \$30 50 | June 20, 1910 | 1 year |
| Cain, Ellis L, . . . | Port Norris, | 94 | 23 | 5 50 | June 20, 1910 | 1 year |
| Callahan, John R, . . . | Millville, | 75 | 9 | 5 00 | June 20, 1910 | 1 year |
| Campbell & Campbell, . . . | Port Norris, | 68 | *61 | 30 00 | June 20, 1910 | 1 year |
| Campbell, James, Sr, . . . | Newport, | 83 | 116 | 58 00 | June 20, 1910 | 1 year |
| Campbell, James, Jr, . . . | Mauricetown, | 71 | 86 | 43 00 | June 20, 1910 | 1 year |
| Campbell, Jas, & A. B, Campbell, Jas, & Wilson A, . . . | Newport, Newport, | 100 81 | 10 *85 | 5 00 42 50 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Campbell, Jas & Co, . . . | Newport, | 97 | *53 | 20 50 | June 20, 1910 | 1 year |
| Campbell, Peter, . . . | Bivalve, | 87 | *219 | 107 00 | June 20, 1910 | 1 year |
| Campbell & Robbins, . . . | Dividing Creek, | 103 | *317 | 143 00 | June 20, 1910 | 1 year |
| Campbell, Smith, . . . | Newport, | 69 | 8 | 4 00 | June 20, 1910 | 1 year |
| Campbell & Gates, . . . | Dividing Creek, | 82 | *23 | 11 50 | June 20, 1910 | 1 year |
| Campbell & Mints, . . . | Bivalve, | 70 | 28 | 14 00 | June 20, 1910 | 1 year |
| Campbell, Winfield A, . . . | Mauricetown, | 99 | *18 | 9 00 | June 20, 1910 | 1 year |
| Chance, Eli W, . . . | Mauricetown, | 74 | *101 | 50 50 | June 20, 1910 | 1 year |
| Chance, Chance & Bacon, Chance, John S, . . . | Mauricetown, Port Norris, | 104 80 | 10 53 | 5 00 26 50 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Chance, Rudolph, . . . | Port Norris, | 96 | 7 | 5 00 | June 20, 1910 | 1 year |
| Chew, William V, . . . | Port Norris, | 88 | 10 | 5 00 | June 20, 1910 | 1 year |
| Chew, Bateman & Henry, Clak & Clak, . . . | Port Norris, Port Norris, | 89 93 | 58 23 | 29 00 5 50 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Clark, Bateman, Bateman & Blizzard, . . . | Port Norris, Millville, | 95 98 | 14 *10 | 7 00 5 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Clak, Ralph, . . . | Port Norris, | 66 | 8 | 1 50 | June 20, 1910 | 1 year |
| Clark, William, . . . | Camden, | 101 | 35 | 17 50 | June 20, 1910 | 1 year |
| Collins, William T, . . . | Port Norris, | 65 | *40 | 22 50 | June 20, 1910 | 1 year |
| Conahay & Yates, . . . | Port Norris, | 73 | *201 | 100 00 | June 20, 1910 | 1 year |
| Cook, E J, . . . | Newport, | 86 | 53 | 25 00 | June 20, 1910 | 1 year |
| Cosier, Lucius E, . . . | Newport, | 78 | *224 | 122 50 | June 20, 1910 | 1 year |
| Cosier, Peter C, . . . | Dividing Creek, | 67 | 16 | 8 00 | June 20, 1910 | 1 year |
| Cosier, William W, . . . | Newport, | 79 | 16 | 8 00 | June 20, 1910 | 1 year |
| Cosier, Cosier, More & Ware, . . . | Newport, Newport, | 77 76 | 22 25 | 11 00 12 50 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Cosier & Gates, . . . | Leesburg, | 102 | 167 | 70 00 | June 20, 1910 | 1 year |
| Cosier & Husted, . . . | Leesburg, | 72 | 73 | 36 50 | June 20, 1910 | 1 year |
| Covert & Lee, . . . | Leesburg, | 90 | *30 | 15 00 | June 20, 1910 | 1 year |
| Cox, Champion H, . . . | Leesburg, | 91 | 75 | 34 00 | June 20, 1910 | 1 year |
| Cox, Champion, & Lilburn, Cox & Cox, . . . | Leesburg, Mauricetown, | 90 85 | *131 | 68 00 | June 20, 1910 | 1 year |
| Cruise, Benjamin B, | Dorchester, | 84 | 53 | 29 00 | June 20, 1910 | 1 year |
| Cruise, David K, . . . | Keyport, | 109 | 13 | 6 50 | June 20, 1910 | 1 year |
| Degroff, William, . . . | Cedarville, | 110 | 13 | 6 50 | June 20, 1910 | 1 year |
| Diamant, Chas G, . . . | Port Norris, | 108 | *25 | 12 50 | June 20, 1910 | 1 year |
| Dillahay & Fagan, . . . | Heislerville, | 107 | 53 | 26 50 | June 20, 1910 | 1 year |
| Dodson, Thos L, . . . | Heislerville, | 106 | 32 | 16 00 | June 20, 1910 | 1 year |
| Donnelly, Lorenzo G, . . . | Heislerville, | 105 | 107 | 48 00 | June 20, 1910 | 1 year |
| Donnelly & Donnelly, . . . | Port Norris, | 112 | *55 | 27 50 | June 20, 1910 | 1 year |
| Edmonds & Garrison, . . . | Bridgeton, | 115 | 41 | 20 50 | June 20, 1910 | 1 year |
| Elmer, Craig, . . . | Leesburg, | 113 | *92 | 46 00 | June 20, 1910 | 1 year |
| Erickson & Compton, . . . | Millville, | 114 | 22 | 7 00 | June 20, 1910 | 1 year |
| Evans, Joshua J, . . . | Millville, | 111 | *124 | 62 50 | June 20, 1910 | 1 year |
| Evans, Evans & Evans, . . | Port Norris, | 125 | *15 | 7 50 | June 20, 1910 | 1 year |
| Fagan, Raymond, . . . | Port Norris, | 124 | 44 | 22 00 | June 20, 1910 | 1 year |
| Fagan, Dillahay & Jeffries, Ferguson, Argus S, . . . | Leesburg, Leesburg, | 120 122 | *53 | 22 50 22 00 | June 20, 1910 June 20, 1910 | 1 year 1 year |
| Fidler, Frank, . . . | Dennisville, | 116 | 23 | 11 50 | June 20, 1910 | 1 year |
| Fisher, John, . . . | Port Norris, | 123 | 18 | 8 00 | June 20, 1910 | 1 year |
| Fithian & Minch, . . . | Bridgeton, | 117 | *233 | 116 50 | June 20, 1910 | 1 year |
| Fithian & Sutton, . . . | Bridgeton, | 126 | 16 | 8 00 | June 20, 1910 | 1 year |
| Flynn, John, . . . | Camden, | 119 | 108 | 62 50 | June 20, 1910 | 1 year |
| Foster, W Lunwood, . . . | Delmont, | 118 | 21 | 10 50 | June 20, 1910 | 1 year |
| Fowler, William E, . . . | Port Norris, | 121 | 178 | 89 00 | June 20, 1910 | 1 year |
| Fowler & Morris, . . . | Port Norris, | 122 | 13 | 6 50 | June 20, 1910 | 1 year |

OYSTER BED LEASES—DELAWARE BAY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|---|-----------------|-----|---------|--------|---------------|--------|
| | | | | | | |
| Gandy, Ephraim, . | Dividing Creek, | 135 | 9 | \$5 00 | June 20, 1910 | 1 year |
| Gandy, Miles, . | Cedarville, | 128 | 190 | 98 50 | June 20, 1910 | 1 year |
| Gandy & VanGilder, | Dennsville, | 132 | *117 | 59 00 | June 20, 1910 | 1 year |
| Garrison, Frank L, . | Dividing Creek, | 133 | 12 | 6 00 | June 20, 1910 | 1 year |
| Garrison, Joseph, . | Dividing Creek, | 131 | 19 | 9 50 | June 20, 1910 | 1 year |
| Garrison, Joseph M, . | Poit Norris, | 134 | 16 | 27 50 | June 20, 1910 | 1 year |
| Garrison & Bonham, | Dividing Creek, | 139 | 53 | 8 00 | June 20, 1910 | 1 year |
| Garrison, Garrison, & Bonham, | Dividing Creek | 138 | 41 | 26 00 | June 20, 1910 | 1 year |
| Gaskill, George S, . . . | Poit Norris, | 127 | *86 | 40 00 | June 20, 1910 | 1 year |
| Gaskill, John, | Newport, | 130 | *211 | 103 50 | June 20, 1910 | 1 year |
| Garretson & Squarewood, | Haleyville, | 136 | 12 | 6 00 | June 20, 1910 | 1 year |
| Green, Samuel, | Poit Norris, | 137 | 8 | 5 00 | June 20, 1910 | 1 year |
| Hagemann, Albert C, . . . | Leesburg, | 167 | 205 | 106 00 | June 20, 1910 | 1 year |
| Haget, Sheiman, | Poit Norris, | 143 | *58 | 29 06 | June 20, 1910 | 1 year |
| Haley, Claience, | Mauricetown, | 148 | 48 | 37 00 | June 20, 1910 | 1 year |
| Haley, Douglass S, | Mauricetown, | 141 | *10 | 5 00 | June 20, 1910 | 1 year |
| Land, Constant W, | Poit Norris, | 155 | *182 | 91 00 | June 20, 1910 | 1 year |
| Hand, Harrison, | Poit Norris, | 162 | 38 | 16 50 | June 20, 1910 | 1 year |
| Hand, C W, & Berry, . . . | Poit Norris, | 152 | *92 | 49 00 | June 20, 1910 | 1 year |
| Hand, C W, & Berry, W. H, | Poit Norris, | 176 | 7 | 8 50 | June 20, 1910 | 1 year |
| Hand, Bery & Berry, . . . | Poit Norris, | 151 | 159 | 79 50 | June 20, 1910 | 1 year |
| Hand & Campbell, | Poit Norris, | 153 | *299 | 154 50 | June 20, 1910 | 1 year |
| Hand, C W, & Joslin & Joslin, | Poit Norris, | 154 | 15 | 7 50 | June 20, 1910 | 1 year |
| Hand & Newell, | Leesburg, | 137 | *28 | 14 00 | June 20, 1910 | 1 year |
| Hanners, McClellan, | Newport, | 158 | *39 | 25 50 | June 20, 1910 | 1 year |
| Harrington, Gerald, | Poit Norris, | 164 | *42 | 24 00 | June 20, 1910 | 1 year |
| Harris, John W, Sr., | Leesburg, | 147 | *75 | 37 00 | June 20, 1910 | 1 year |
| Harris, John W, Jr., | Leesburg, | 172 | 28 | 14 50 | June 20, 1910 | 1 year |
| Harris & Hiles, | Haleyville, | 173 | 6 | 5 00 | June 20, 1910 | 1 year |
| Havens, William E, | Millville, | 144 | 10 | 5 00 | June 20, 1910 | 1 year |
| Hearn, Margaret, | Poit Norris, | 145 | 79 | 39 50 | June 20, 1910 | 1 year |
| Hearn & Co, | Poit Norris, | 146 | 28 | 14 00 | June 20, 1910 | 1 year |
| Heintz, Harry E, | Millville, | 175 | 38 | 19 00 | June 20, 1910 | 1 year |
| Henderson, Lafayette, | Leesburg, | 168 | *94 | 48 00 | June 20, 1910 | 1 year |
| Henry & Buzby, | Poit Norris, | 163 | *253 | 127 00 | June 20, 1910 | 1 year |
| Hettinger, Henry A, | Bridgeton, | 161 | *66 | 33 00 | June 20, 1910 | 1 year |
| Hiles, Claude, & Geo, | Haleyville, | 171 | *16 | 8 00 | June 20, 1910 | 1 year |
| Hinson, Harold E, | Mauricetown, | 149 | 49 | 25 50 | June 20, 1910 | 1 year |
| Hinson, Wm T, | Mauricetown, | 170 | 13 | 6 50 | June 20, 1910 | 1 year |
| Hinson & Bateman, | Mauricetown, | 150 | 408 | 253 00 | June 20, 1910 | 1 year |
| Hollinger & Bradford, | Poit Norris, | 174 | *10 | 5 00 | June 20, 1910 | 1 year |
| Hollinger, Harrison, | Poit Norris, | 165 | 38 | 19 50 | June 20, 1910 | 1 year |
| Holmes, Gilbert, | Pierces, | 169 | 13 | 6 50 | June 20, 1910 | 1 year |
| Howell, Forest G, | Millville, | 142 | *94 | 47 00 | June 20, 1910 | 1 year |
| Husted, Howard S, | Bridgeton, | 166 | 62 | 31 00 | June 20, 1910 | 1 year |
| Hunter, Aaron S, | Haleyville, | 159 | 36 | 18 00 | June 20, 1910 | 1 year |
| Hunter, William C, | Haleyville, | 160 | 53 | 26 50 | June 20, 1910 | 1 year |
| Husted, Wm, & Howard, | Newport, | 156 | 15 | 7 00 | June 20, 1910 | 1 year |
| Ingersoll, Chas M, | Dividing Creek, | 178 | *14 | 7 00 | June 20, 1910 | 1 year |
| Ingersoll & Campbell, | Dividing Creek, | 179 | *10 | 5 00 | June 20, 1910 | 1 year |
| Jantsen, Gus, | Poit Norris, | 183 | 41 | 18 00 | June 20, 1910 | 1 year |
| Jantsen & Hollinger, | Poit Norris, | 184 | 11 | 5 50 | June 20, 1910 | 1 year |
| Jeffries, Robert, | Poit Norris, | 180 | *103 | 51 50 | June 20, 1910 | 1 year |
| Jenkins, William, | Dividing Creek, | 185 | 10 | 5 00 | June 20, 1910 | 1 year |
| Johnson, Chas F, | Cedarville, | 182 | *155 | 76 00 | June 20, 1910 | 1 year |
| Johnson, Chas W, | Newport, | 186 | 34 | 18 00 | June 20, 1910 | 1 year |
| Joslin, Benjamin S, | Newport, | 190 | *95 | 47 50 | June 20, 1910 | 1 year |
| Joslin, Howard, | Newport, | 188 | *36 | 22 50 | June 20, 1910 | 1 year |
| Joslin, Joslin & Joslin, | Newport, | 188 | *36 | 22 50 | June 20, 1910 | 1 year |
| Joslin & Moncrief, | Newport, | 181 | 9 | 5 00 | June 20, 1910 | 1 year |

OYSTER BED LEASES—DELAWARE BAY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|--|-----------------------------|-----|---------|---------|---------------|--------|
| | | | | | | |
| Joslin, Moncrief, Mulford & Mulford, | Newport, | 187 | 44 | \$11 50 | June 20, 1910 | 1 year |
| Ladow, Hammell, | Bridgeton, | 200 | 8 | 5 00 | June 20, 1910 | 1 year |
| Ladow, Sylvanus A, | Dividing Creek, | 199 | *32 | 15 00 | June 20, 1910 | 1 year |
| Ladow & Bradford, | Newport, | 191 | 91 | 44 50 | June 20, 1910 | 1 year |
| Lake, David R, | Pleasantville, | 202 | 19 | 9 50 | June 20, 1910 | 1 year |
| Lake, John T, | Poit Norris, | 195 | *139 | 65 50 | June 20, 1910 | 1 year |
| Lake, J Hammit, | Poit Norris, | 196 | 32 | 16 00 | June 20, 1910 | 1 year |
| Lake, Samuel C, | Poit Norris, | 204 | 9 | 5 00 | June 20, 1910 | 1 year |
| Lake, Samuel C, | Poit Norris, | 209 | *98 | 52 00 | June 20, 1910 | 1 year |
| Lake & Bloxson, | Poit Norris, | 214 | 30 | 15 00 | June 20, 1910 | 1 year |
| Lake, Little, Bateman & Bradford, | Poit Norris, | 207 | *50 | 25 00 | June 20, 1910 | 1 year |
| Land, William H, | Poit Norris, | 203 | *114 | 51 50 | June 20, 1910 | 1 year |
| Lee, Addie (Mrs), | Leesburg, | 216 | *20 | 10 00 | June 20, 1910 | 1 year |
| Lee, Daniel, | Leesburg, | 212 | 9 | 5 00 | June 20, 1910 | 1 year |
| Lee, Frank, | Leesburg, | 208 | 6 | 5 00 | June 20, 1910 | 1 year |
| Lee, Harry M, | Poit Norris, | 197 | *124 | 69 00 | June 20, 1910 | 1 year |
| Lee & Henderson, | Leesburg, | 217 | *10 | 5 00 | June 20, 1910 | 1 year |
| Lee, Maurice R, | Poit Norris, | 205 | 32 | 17 00 | June 20, 1910 | 1 year |
| Lee, Samuel, | Leesburg, | 194 | *62 | 26 00 | June 20, 1910 | 1 year |
| Liliston & Sharpless, | Leesburg, | 211 | 12 | 10 00 | June 20, 1910 | 1 year |
| Loper, Thomas B, | Cedarville, | 215 | 17 | 12 00 | June 20, 1910 | 1 year |
| Lord & Tribbet, | Heislerville, | 192 | 18 | 9 00 | June 20, 1910 | 1 year |
| Lore, Addie, | Newport, | 210 | 81 | 43 50 | June 20, 1910 | 1 year |
| Lore, Louvisa, Mrs, | Millville, | 201 | 28 | 14 00 | June 20, 1910 | 1 year |
| Lore, N J, | Dividing Creek, | 206 | 6 | 5 00 | June 20, 1910 | 1 year |
| Lore, Tyler J, | Newport, | 313 | 13 | 5 50 | June 20, 1910 | 1 year |
| Lore, R T, & W. C, | Camden, | 198 | 199 | 109 50 | June 20, 1910 | 1 year |
| Lore, Lone & Lore, | Cedarville, | 193 | *85 | 40 50 | June 20, 1910 | 1 year |
| Loyd, Albert G, | Poit Norris, | 390 | *10 | 5 00 | June 20, 1910 | 1 year |
| McClam, Chas G, | Leesburg, | 225 | 43 | 20 00 | June 20, 1910 | 1 year |
| McDaniels, Howard, & Major, | Poit Norris, | 231 | 30 | 21 00 | June 20, 1910 | 1 year |
| McDaniel & Sockwell, | Poit Norris, | 236 | *10 | 5 00 | June 20, 1910 | 1 year |
| McQuigan, Muston, | Cedarville, | 235 | *15 | 7 50 | June 20, 1910 | 1 year |
| McDaniels, Willard, | Poit Norris, | 234 | 10 | 5 00 | June 20, 1910 | 1 year |
| Meewald, Augustus, | Dennsville, | 222 | 159 | 79 50 | June 20, 1910 | 1 year |
| Melei, John, | Camden, | 232 | 11 | 5 50 | June 20, 1910 | 1 year |
| Moore, Everett, & Oscar, | Poit Norris, | 230 | *10 | 5 00 | June 20, 1910 | 1 year |
| Moore, Isaac, | Dividing Creek, | 224 | 10 | 5 00 | June 20, 1910 | 1 year |
| Moore, S E, | Bridgeton, | 233 | 30 | 15 00 | June 20, 1910 | 1 year |
| Moore & Henry, | Fairton, | 218 | 48 | 33 00 | June 20, 1910 | 1 year |
| More, Robert, Jr, | Bridgeton, | 200 | 78 | 39 00 | June 20, 1910 | 1 year |
| More & More, | Bridgeton, | 221 | 126 | 71 00 | June 20, 1910 | 1 year |
| Moore, William S, | Cedarville, | 237 | 16 | 1 00 | June 20, 1910 | 1 year |
| Mulford, A G, & J Ralph, | Cedarville, | 219 | 65 | 35 00 | June 20, 1910 | 1 year |
| Mulford, Ephraim, | Bivalve, | 229 | 14 | 7 00 | June 20, 1910 | 1 year |
| Mulford, Mahlon, | Fairton, | 226 | 9 | 5 00 | June 20, 1910 | 1 year |
| Mulford & Mulford, | Bivalve, | 227 | 468 | 231 50 | June 20, 1910 | 1 year |
| Mulford, Mulford & Mulford, | Bivalve, | 228 | 283 | 141 50 | June 20, 1910 | 1 year |
| Neal, Jos D, | Philadelphia, Pa, | 249 | 439 | 219 50 | June 20, 1910 | 1 year |
| Newcomb, Adran B, | Newport, | 238 | *113 | 57 50 | June 20, 1910 | 1 year |
| Newcomb, Fayette L, | Poit Norris, | 241 | 34 | 17 00 | June 20, 1910 | 1 year |
| Newcomb, Geo W. C., | Newport, | 246 | *74 | 39 50 | June 20, 1910 | 1 year |
| Newcomb, Josiah, & Daniel L, | Poit Norris, | 247 | 60 | 31 50 | June 20, 1910 | 1 year |
| Newcomb, Lewis B, | Cedarville, | 242 | *42 | 19 50 | June 20, 1910 | 1 year |
| Newcomb, Oln W., | Poit Norris, | 239 | 37 | 18 50 | June 20, 1910 | 1 year |
| Newcomb, Peter F, | Newport, | 244 | *165 | 77 00 | June 20, 1910 | 1 year |
| Newcomb, P F, & G W C, | Newport, | 245 | 38 | 19 00 | June 20, 1910 | 1 year |
| Newcomb, Theophilus, | Poit Norris, | 243 | 75 | 35 50 | June 20, 1910 | 1 year |

OYSTER BED LEASES—DELAWARE BAY—Continued

| NAME | ADDRESS | No | Acceage | Amount | Date | Term |
|-------------------------------|-----------------|-----|---------|---------|---------------|--------|
| Newcomb, William B. | Newport, | 240 | 31 | \$15 50 | June 20, 1910 | 1 year |
| Nickelson, Henry C. | Port Norris, | 248 | *50 | 25 00 | June 20, 1910 | 1 year |
| Nickelson, Harry E. | Port Norris, | 253 | 20 | 11 00 | June 20, 1910 | 1 year |
| Nieukirk, James P. | Camden, | 252 | *20 | 11 50 | June 20, 1910 | 1 year |
| Nieukirk & Nieukirk, | Camden, | 250 | 19 | 9 50 | June 20, 1910 | 1 year |
| Nieukirk & Nieukirk & Hogate, | Camden, | 251 | 79 | 39 50 | June 20, 1910 | 1 year |
| O'Hara, Harry, | Port Norris, | 255 | 13 | 6 50 | June 20, 1910 | 1 year |
| Orr, John H., | Dividing Creek, | 256 | *59 | 29 50 | June 20, 1910 | 1 year |
| Orr, Mark L., | Dividing Creek, | 257 | 81 | 16 00 | June 20, 1910 | 1 year |
| Orr & Mints, | Dividing Creek, | 258 | 14 | 7 00 | June 20, 1910 | 1 year |
| Pashley, Chas., | Dividing Creek, | 261 | 11 | 5 00 | June 20, 1910 | 1 year |
| Peace, William M., | Port Norris, | 262 | 70 | 35 00 | June 20, 1910 | 1 year |
| Pepper & Pepper, | Port Norris, | 266 | *103 | 49 00 | June 20, 1910 | 1 year |
| Perry & Teppenbauer, | Port Norris, | 259 | 13 | 6 50 | June 20, 1910 | 1 year |
| Peterson & Bateman, | Port Norris, | 263 | *186 | 93 00 | June 20, 1910 | 1 year |
| Peterson, Geo C., | Newport, | 268 | *155 | 77 00 | June 20, 1910 | 1 year |
| Peterson & Moore, .. | Newport, | 264 | 21 | 13 50 | June 20, 1910 | 1 year |
| Peterson, Wm., & Jas., | Port Norris, | 272 | *50 | 25 00 | June 20, 1910 | 1 year |
| Petit & Bell, | Bivalve, | 271 | 25 | 15 50 | June 20, 1910 | 1 year |
| Pierce & Pennell, | Dorchester, | 265 | 47 | 20 50 | June 20, 1910 | 1 year |
| Pierce, William H., | Dorchester, | 270 | 10 | 5 00 | June 20, 1910 | 1 year |
| Polhamus, Everett, & Herbert, | Leesburg, | 260 | *20 | 10 00 | June 20, 1910 | 1 year |
| Polhamus & Stowman, | Dorchester, | 269 | *85 | 43 00 | June 20, 1910 | 1 year |
| Polhamus, William, | Leesburg, | 267 | 30 | 15 00 | June 20, 1910 | 1 year |
| Rahr, David, | Bricksboro, | 295 | 29 | 14 50 | June 20, 1910 | 1 year |
| Randolph, Andrew, | Port Norris, | 293 | 31 | 15 50 | June 20, 1910 | 1 year |
| Randolph & Adams, | Leesburg, | 303 | 16 | 6 00 | June 20, 1910 | 1 year |
| Reed & Robbins, | Port Norris, | 301 | *50 | 25 50 | June 20, 1910 | 1 year |
| Riggin, Chas M., | Port Norris, | 302 | 17 | 8 50 | June 20, 1910 | 1 year |
| Riggin & Riggin, .. | Port Norris, | 290 | 34 | 17 00 | June 20, 1910 | 1 year |
| Riggin, Edward M., | Port Norris, | 291 | 106 | 53 00 | June 20, 1910 | 1 year |
| Riggin, Riggin & Riggin, | Port Norris, | 276 | *50 | 25 00 | June 20, 1910 | 1 year |
| Riggin, Walter C., | Port Norris, | 288 | *81 | 44 50 | June 20, 1910 | 1 year |
| Riggin, W C., & C M., | Port Norris, | 289 | 41 | 20 50 | June 20, 1910 | 1 year |
| Riggin, Riggin & Stites, | Port Norris, | 275 | 62 | | June 20, 1910 | 1 year |
| Robbins, Campbell & Robbins, | Port Norris, | 285 | 31 | 15 50 | June 20, 1910 | 1 year |
| Robbins & O'Neil, | Port Norris, | 299 | 22 | 7 00 | June 20, 1910 | 1 year |
| Robbins, Robbins & Robbins, | Port Norris, | 300 | *51 | 25 50 | June 20, 1910 | 1 year |
| Robbins, Sutter W., | Port Norris, | 305 | *20 | 10 00 | June 20, 1910 | 1 year |
| Robbins, Clarence M., | Port Norris, | 284 | 110 | 56 50 | June 20, 1910 | 1 year |
| Robbins, Daniel T., | Port Norris, | 286 | 12 | 6 00 | June 20, 1910 | 1 year |
| Robbins, David, Jr., | Port Norris, | 282 | *92 | 45 00 | June 20, 1910 | 1 year |
| Robbins, David, Sr., | Port Norris, | 281 | *219 | 105 50 | June 20, 1910 | 1 year |
| Robbins, Ed C., | Haleyville, | 279 | 37 | 18 50 | June 20, 1910 | 1 year |
| Robbins, Geo., | Port Norris, | 283 | *164 | 79 00 | June 20, 1910 | 1 year |
| Robbins, Henry S., | Port Norris, | 277 | 331 | 166 50 | June 20, 1910 | 1 year |
| Robbins, Levi, | Port Norris, | 278 | 45 | 22 50 | June 20, 1910 | 1 year |
| Robbins, Levi, & Ed C., | Haleyville, | 280 | 122 | 61 50 | June 20, 1910 | 1 year |
| Robbins, Sheppard, ... | Port Norris, | 287 | 51 | 25 50 | June 20, 1910 | 1 year |
| Robbinson, Silas, Sr., | Dividing Creek, | 292 | 34 | 15 00 | June 20, 1910 | 1 year |
| Robbinson, Dora, & Harry, | Dennisville, | 304 | 18 | 5 50 | June 20, 1910 | 1 year |
| Rogers, Maurice A., | Camden, | 296 | 736 | 339 50 | June 20, 1910 | 1 year |
| Rogers & Whilden, | Mauricetown, | 298 | 310 | 152 50 | June 20, 1910 | 1 year |
| Rowley, L Bates, | Port Norris, | 294 | *40 | 22 50 | June 20, 1910 | 1 year |
| Schoch, Geo Y., | Ocean City, | 313 | 220 | 110 00 | June 20, 1910 | 1 year |
| Schoch & Sharp, | Port Norris, | 314 | 75 | 37 50 | June 20, 1910 | 1 year |
| Schoch & Vail, | Ocean City, | 315 | 274 | 137 00 | June 20, 1910 | 1 year |
| Schwartz, Henry, | Port Norris, | 309 | 7 | 5 00 | June 20, 1910 | 1 year |
| Schwartz, Cobb & Cobb, | Port Norris, | 343 | 20 | 13 00 | June 20, 1910 | 1 year |
| Sharp, Albert R., | Haleyville, | 306 | 33 | 16 50 | June 20, 1910 | 1 year |

OYSTER BED LEASES—DELAWARE BAY—Continued

| NAME | ADDRESS | No | Acceage | Amount | Date | Term |
|-----------------------------------|-----------------|-----|---------|---------|---------------|--------|
| Sharp & Polhamus, | Leesburg, | 344 | 79 | \$40 00 | June 20, 1910 | 1 year |
| Sharp, Sharp & Harris, | Leesburg, | 328 | *47 | 29 00 | June 20, 1910 | 1 year |
| Sharp & Williams, . | Heslerville, | 345 | *23 | 11 50 | June 20, 1910 | 1 year |
| Sharp, John W., | Leesburg, | 347 | 21 | 11 00 | June 20, 1910 | 1 year |
| Sharp, Walter L., | Port Norris, | 340 | 21 | 11 50 | June 20, 1910 | 1 year |
| Sharp, Walter M., | Bridgeton, | 342 | 10 | 5 00 | June 20, 1910 | 1 year |
| Sharp, Zadok C, Jr., | Leesburg, | 327 | 28 | 16 00 | June 20, 1910 | 1 year |
| Sharp, Zadok C, Sr., | Leesburg, | 325 | 31 | 15 50 | June 20, 1910 | 1 year |
| Sharp, Zadok, Jr., & Sr., | Leesburg, | 326 | *30 | 15 00 | June 20, 1910 | 1 year |
| Sharpless, John, | Leesburg, | 324 | *245 | 122 50 | June 20, 1910 | 1 year |
| Sharpless, Maurice, | Leesburg, | 349 | *10 | 5 00 | June 20, 1910 | 1 year |
| Sheldon & Bell, ... | Newport, | 351 | 4 | 5 00 | June 20, 1910 | 1 year |
| Sheppard & Harrison, | Mauricetown, | 312 | 248 | 125 00 | June 20, 1910 | 1 year |
| Sheppard, Ivy & Nathan, | Dividing Creek, | 350 | *10 | 5 00 | June 20, 1910 | 1 year |
| Sheppard, Lewis F., | Cedarville, | 318 | *261 | 134 00 | June 20, 1910 | 1 year |
| Sheppard, D R., & Smith, Henry, | Newport, | 322 | 107 | 57 00 | June 20, 1910 | 1 year |
| Sheppard, R D., & S Ware, | Newport, | 321 | *130 | 65 00 | June 20, 1910 | 1 year |
| Shropshire, Ed, | Haleyville, | 316 | *102 | 51 00 | June 20, 1910 | 1 year |
| Shull, Harry, | Newport, | 331 | 14 | 7 00 | June 20, 1910 | 1 year |
| Shull, John L., | Newport, | 317 | 229 | 116 00 | June 20, 1910 | 1 year |
| Shull, S Burton, | Dividing Creek, | 341 | 6 | 5 00 | June 20, 1910 | 1 year |
| Simms, Benj W., | Cedarville, | 320 | 55 | 25 50 | June 20, 1910 | 1 year |
| Simpkins, Thos., | Cedarville, | 337 | 79 | 39 00 | June 20, 1910 | 1 year |
| Smith, Asa C., & Seth S, | Leesburg, | 330 | *123 | 62 50 | June 20, 1910 | 1 year |
| Smith & Sharpless, | Leesburg, | 348 | 18 | 13 00 | June 20, 1910 | 1 year |
| Smith & Sheppard, | Newport, | 338 | *50 | 25 00 | June 20, 1910 | 1 year |
| Snell, Warrne H., | Port Norris, | 310 | 28 | 17 00 | June 20, 1910 | 1 year |
| Sockwell, Howard W., | Port Norris, | 311 | *555 | 321 50 | June 20, 1910 | 1 year |
| Spiker, Geo., | Port Elizabeth, | 307 | *10 | 5 00 | June 20, 1910 | 1 year |
| Stites, E, Jr., & F L Garrison, | Dividing Creek, | 324 | *48 | 22 50 | June 20, 1910 | 1 year |
| Stites, Edmund, Jr., | Port Norris, | 332 | *32 | 157 50 | June 20, 1910 | 1 year |
| Stites, Ed., & Howard, | Newport, | 336 | 18 | 9 00 | June 20, 1910 | 1 year |
| Stites, Gilbert, | Diagston, | 329 | 31 | 15 50 | June 20, 1910 | 1 year |
| Stites, Ed, Jr., & Newcomb, B Wm, | Port Norris, | 333 | 58 | 23 00 | June 20, 1910 | 1 year |
| Stites, Stites & Newcomb, | Newport, | 335 | *162 | 78 00 | June 20, 1910 | 1 year |
| Sutter & Robbins, | Port Norris, | 346 | *27 | 13 50 | June 20, 1910 | 1 year |
| Sutton, Joseph, | Leesburg, | 319 | 13 | 6 50 | June 20, 1910 | 1 year |
| Sutton, Wm G., | Bridgeton, | 339 | 70 | 30 00 | June 20, 1910 | 1 year |
| Terry, Geo. M., | Dividing Creek, | 353 | 11 | 5 50 | June 20, 1910 | 1 year |
| Terry & Terry, | Dividing Creek, | 364 | 25 | 9 00 | June 20, 1910 | 1 year |
| Tery & Veal, . | Dividing Creek | 354 | 86 | 42 50 | June 20, 1910 | 1 year |
| Townsend, Mark, | Port Norris, | 358 | 109 | 54 50 | June 20, 1910 | 1 year |
| Townsend, Stacy, | Leesburg, | 359 | *53 | 25 50 | June 20, 1910 | 1 year |
| Tozour, Charles, | Delmont, | 360 | *21 | 10 50 | June 20, 1910 | 1 year |
| Tozour & Foster, | Delmont, | 361 | 35 | 17 50 | June 20, 1910 | 1 year |
| Turner, James A, Jr., | Newport, | 355 | *62 | 30 00 | June 20, 1910 | 1 year |
| Turner, James A, Jr., | Newport, | 367 | *22 | 11 00 | June 20, 1910 | 1 year |
| Turner, Leaming, | Dividing Creek, | 357 | *58 | 32 50 | June 20, 1910 | 1 year |
| Turner, May, | Newport, | 356 | 16 | 8 00 | June 20, 1910 | 1 year |
| Turpin & Collins, .. | Haleyville, | 366 | *14 | 7 00 | June 20, 1910 | 1 year |
| Vail, William A., Jr., | Dividing Creek, | 368 | 9 | 5 00 | June 20, 1910 | 1 year |
| VanVliet, Wm., . . . | Newport, | 369 | 21 | 13 50 | June 20, 1910 | 1 year |
| Veal & Loper, | Dividing Creek, | 371 | *363 | 184 00 | June 20, 1910 | 1 year |
| Veal, Moses, | Dividing Creek, | 370 | 18 | 9 00 | June 20, 1910 | 1 year |
| Veal, Wm., | Dividing Creek, | 372 | 15 | 7 00 | June 20, 1910 | 1 year |
| Wallen, Whitaker & Wallen, | Fairton, | 373 | 277 | 142 00 | June 20, 1910 | 1 year |
| Webb & Swank, | Bivalve, | 379 | 9 | 5 00 | June 20, 1910 | 1 year |
| Westcott & Trenchard, | Fairton, | 374 | 141 | 70 00 | June 20, 1910 | 1 year |
| Whilden, Clarence, | Mauricetown | 380 | *10 | 5 00 | June 20, 1910 | 1 year |
| Whilden John H., | Fairton, | 376 | 41 | 20 50 | June 20, 1910 | 1 year |

OYSTER BED LEASES—DELAWARE BAY—*Continued*

| NAME | ADDRESS | No | Acreage | Amount | Date | | Term |
|--------------------------------|--------------|-----|---------|--------|-------|----------|--------|
| | | | | | Month | Year | |
| Whilden, Somers H, | Maumetown, | 377 | 13 | \$6 50 | June | 20, 1910 | 1 year |
| Windfohr, Arthur, | Bivalve | 378 | *50 | 27 00 | June | 20, 1910 | 1 year |
| Yates, G Christy, | Port Norris, | 383 | 125 | 62 50 | June | 20, 1910 | 1 year |
| Yates, G Christy, | Port Norris, | 384 | 10 | 5 00 | June | 20, 1910 | 1 year |
| Yates, Hoffman & Rob- bins, | Port Norris, | 388 | 212 | 110 50 | June | 20, 1910 | 1 year |
| Yates, Lucius E, | Port Norris, | 386 | 285 | 142 50 | June | 20, 1910 | 1 year |
| Yates & Peterson, | Port Norris, | 385 | 79 | 18 50 | June | 20, 1910 | 1 year |
| Yates, Yates & Peterson, | Port Norris, | 387 | 104 | 52 00 | June | 20, 1910 | 1 year |
| Yates & Sheppard, | Port Norris, | 389 | 20 | 10 00 | June | 20, 1910 | 1 year |

Note—The amounts per lease given do not appear regularly at fifty cents per acre, owing to a debit or credit arising from 1909 rentals being collected on estimated area and since corrected by survey

* Area is given on estimate only, is to be corrected by survey

Oyster Bed Leases—Raritan Bay.

| NAME | ADDRESS | No | Acreage | Amount | Date | | Term |
|------------------|----------|----|---------|---------|-------|----------|--------|
| | | | | | Month | Year | |
| Degroff, Wilham, | Keyport, | 1 | 57½ | \$57 50 | June | 20, 1910 | 1 year |
| Evans, Chas W, | Keyport, | 8 | 2¾ | 5 00 | June | 20, 1910 | 1 year |
| Hammer & Son, | Keyport, | 2 | 42¼ | 42 25 | June | 20, 1910 | 1 year |
| Maurer, Wm, | Keyport, | 7 | 81½ | 81 50 | June | 20, 1910 | 1 year |
| Post, Garrett E, | Keyport, | 3 | 91¾ | 91 75 | June | 20, 1910 | 1 year |
| Woolley, Wm. E, | Keyport, | 4 | 157½ | 157 50 | June | 20, 1910 | 1 year |

Oyster Bed Leases—Delaware Bay.

SECTION A

| NAME | GROUND No | NAME | GROUND No |
|-------------------------------------|---------------------|-------------------------------|---------------------|
| Adams, J Wesley, | 184 | Hunter, Wm C, | 205-212 |
| Adams & Cobb, | 200 | Jantsen, Gus, | 302 |
| Bacon & Chance, | 272 | Jeffries, Robert, | 238 |
| Baker, Edward, | 275-336 | Lake, John T, | 174 |
| Bateman, Luther, | 264 | Lake, Samuel C, | 257 |
| Bateman, Blizzard & Clark, | 126 | Land, Wm H, | 125-193-238-291 |
| Berry, Robbins & Campbell, | 173 | Lee, Addie (Mrs), | 192 |
| Betty, Berry & Earl, | 283 | Lee, Frank, | 132 |
| Berry, Stultz, | 176-181-288 | Lee, Maurice R, | 292 |
| Berry, William H, | 225 | McDaniels, Howard & Major, | 60 |
| Bluxson, Robert H, | 215 | Meerwald, Augustus J, | 31-239 |
| Bornhorst, August, | 160 | Mulford & Mulford, | 99 |
| Boyle, James, | 266 | Neal, Joseph D, | 120-157 |
| Bradford, Chas L, | 228-298 | Nickerson, Harry E, | 127 |
| Buzme & Garrison, | 106-296 | Pierce & Pennell, | 233 |
| Campbell, Archie, & W A, | 254 | Pierce, Wm H, | 163 |
| Campbell, James, | 65 | Polhamus, Everett, & Herbert, | 244 |
| Campbell, Peter, | 231 | Polhamus & Stowman, | 255 |
| Campbell & Gates, | 195 | Rahr, David, | 211 |
| Campbell, Winfield A, | 267 | Randolph, Andrew, | 222 |
| Chance, Eli W, | 51-209-101-232-112 | Randolph & Adams, | 154 |
| Chance, John S, | 178-179 | Reed & Robbins, | 199-203 |
| Clark & Clark, | 124 | Riggin, Edward M, | 221 |
| Clark, Bateman, Bateman & Blizzard, | 167 | Riggin, Walter C, | 191 |
| Clark, Ralph, | 198 | Robbins, Clarence M, | 117-236-294 |
| Collins, Wm T, | 18 | Robbins, David, Jr, | 62-220 |
| Covert & Lee, | 197-100-111-131-137 | Robbins, David, Sr, | 175 |
| Cox, Champion & Lulburn, | 183 | Robbins, George, | 74-166 |
| Cox & Cox, | 188 | Robbins, Henry S, | 58-59-123 |
| Cruise, Benjamin B, | 169 | Robbins, Levi, & Ed, | 265 |
| Cruise, David K, | 170 | Robbins, Sheppard, | 138 |
| Dillahay & Fagan, | 256 | Robinson, Dora, & Harry, | 263 |
| Donnelly & Donnelly, | 158-164-165-208-284 | Robers, Maurice A, | 186-188-189-316 |
| Edmonds & Garrison, | 69 | Rogers & Whilden, | 190-91-53 |
| Erickson & Compton, | 109-253 | Schoch, George Y, | 103-104-105-217-243 |
| Evans, Joshua J, | 280 | Schoch & Sharp, | 214 |
| Evans, Evans & Evans, | 273 | Schoch & Vail, | 218-219-270 |
| Ferguson, Argus S, | 135 | Sharp, Walter L, | 230 |
| Fidler, Frank, | 24 | Sharp & Polhamus, | 113-295 |
| Fithian & Minch, | 153 | Sharpless, John, | 90-133-134 |
| Foster, W Linwood, | 110 | Sheppard, Harrison, | 168 |
| Gandy & VanGilder, | 32-156 | Sheppard, R D, & S Ware, | 227 |
| Garrison, Joseph M, | 162 | Shropshire, Edward, | 196-216 |
| Garrison, Garrison & Bonham, | 289 | Shull, John L, | 234 |
| Gaskill, George S, | 286 | Smith, Asa C, & Seth S, | 33-268 |
| Gaskill, John, | 333-52-213 | Snell, Warrie H, | 210 |
| Green, Samuel, | 223 | Sockwell, Howard W., | 274-281-287 |
| Hageman, Albert C, | 136-161 | Spiker, George, | 259 |
| Hager, Sherman, | 197 | Stites, Edmund, Jr, | 297 |
| Hand, Berry & Berry, | 139 | Stites, Gilbert, | 303 |
| Hand & Campbell, | 177-182-299 | Sutter & Robbins, | 229 |
| Harris, John W, | 130 | Sutton, Joseph, | 119 |
| Harris & Hiles, | 300 | Townsend, Mark, | 87-261 |
| Hettinger, Henry A, | 260 | Turner, Leaming, | 285 |
| Hinson, Harold E, | 269 | Turpin & Collins, | 194 |
| Hinson & Bateman, | 180-262 | Veal & Loper, | 277-282 |
| Hollinger, Harrison, | 207 | Whilden, Clarence, | 187 |
| Holmes, Gilbert, | 335 | Yates, G Christy, | 124 |
| Howell, Forest G, | 278 | Yates, Hoffman & Robbins, | 159-271 |
| Hunter, Aaron S, | 204-206 | Yates, Lucius E, | 246-290 |

SECTION B

| NAME | GROUND No | NAME | GROUND No |
|-----------------------------------|-------------------------|----------------------------|-----------------|
| Adams, J Wesley, | 226 | Land, William H, | 180 |
| Allen, Edward H, | 228 | Lee, Daniel, | 35 |
| Bailey & Peace, | 175-248 | Lee, Harry M, | 234 |
| Bateman & Blizzard, | 104-158 | Lee, Maurice R, | 134-216 |
| Bateman & Burt, | 242 | Lee, Samuel, | 220 |
| Bateman & Swing, | 32 | Lilliston & Sharpless, | 185 |
| Berry, Robbins & Campbell, | 90 | Loper, Thomas B, | 136 |
| Berry, Chas, & Phillip, | 117 | Lord & Tribbet, | 217 |
| Berry, Stultz, | 213 | Lore, R T, & W C, | 29 |
| Bidwell, Wm, | 231 | McClain, Chas G, | 9-135-219 |
| Blackman & Blackman, | 79-236 | Moore, Everett & Ascar, | 152 |
| Bornhorst, August, | 168 | Moore, William S, | 44 |
| Bowker & Bowker, | 78 | Mulford & Mulford, | 73-130 |
| Bowker, Chas, | 201 | Neal, Joseph D, | 63-101 |
| Boyle, Chas R, | 30 | Newcomb, Fayette L, | 163 |
| Boyle, James, | 57-183 | Newcomb, Theophilus, | 114-171 |
| Bradway, C M (Mrs), | 25 | Nickelson, Henry C, | 18 |
| Brunshults & Mayhew, | 76-77-154-169 | O'Hara, Harry, | 51 |
| Brunshults, Wallen & Fithian, | 153 | Peace, William M, | 88 |
| Cam, Ellis L, | 85 | Pepper & Pepper, | 111-225-221 |
| Callahan, John R, | 187 | Peterson & Bateman, | 107-108 |
| Campbell, Archie, & W A, | 212 | Peterson, Wm, & James, | 151 |
| Campbell, James, Jr, | 19-132 | Petit & Bell, | 230 |
| Campbell & Robbins, | 91-191-223-244 | Polhamus & Stowman, | 10 |
| Chance, Eli W, | 224 | Riggin, Chas M, | 193 |
| Chance, Chance & Bacon, | 206 | Robbins, Clarence M, | 82 |
| Conahay & Yates, | 131 | Robbins, David, Jr, | 176 |
| Cook, E J, | 112-120-165-210-211-240 | Robbins, David, Sr, | 68-72-110 |
| Cosier, Lucius E, | 233 | Robbins, George, | 54-71-129 |
| Dillahay & Fagan, | 146 | Robbins, Henry S, | 89 |
| Dodson, Thos L, | 31 | Robbins, Levi, | 97 |
| Erickson & Compton, | 20 | Robbins, Levi, & Edward, | 102-113-126-128 |
| Evans, Evans & Evans, | 199 | Rogers, Maurice B, | 8-106 |
| Fishei, John, | 177 | Rowley, L Bates, | 137-190 |
| Fithian & Minch, | 75-150 | Schoch, George Y, | 149-161 |
| Foster, W Linwood, | 15 | Schoch & Vail, | 119-194 |
| Fowler, William E, | 100-178 | Schwartz, Henry, | 16 |
| Garrison, Joseph M, | 162 | Sharp, Walter M, | 192 |
| Gaskill, George S, | 142 | Sharp, Zadok C, Sr, | 55-61 |
| Hagemann, Albert C, | 22-99-127-184-207 | Sharpless, John, | 17-205-208 |
| Hager, Sherman, | 197 | Sheppard, Lewis F, | 200-202 |
| Haley, Clarence, | 6-156 | Shropshire, Edward, | 172 |
| Haley, Douglass S, | 249 | Shull, John L, | 83-84 |
| Hand, Constant W, | 58-116-233 | Smith, Asa C, & Seth S, | 198 |
| Hand, Harrison, | 113 | Sockwell, Howard W, | 45-50-66-70-239 |
| Hand & Berry, | 122 | Stites, Edmund, Jr, | 164-173-237 |
| Hand & Berry, W H, | 214 | Stites, Gilbert, | 222 |
| Hand & Nowell, | 56 | Sutter & Robbins, | 105-232 |
| Harrington, Geiald, | 167 | Terry & Veal, | 60-215 |
| Harris, John W, | 98 | Townsend, Stacy, | 133 |
| Harris, John W, Jr, | 188 | Tozour, Charles, | 69-125-170-203 |
| Havens, William E, | 37 | Veal & Loper, | 243 |
| Heintz, Harry E, | 108 | Veal, William, | 243 |
| Henderson, Lafayette, | 64 | Wallen, Whitaker & Wallen, | 33-34 |
| Henry & Buzby, | 115-121 | Westcott & Trenchard, | 36 |
| Hanson, William T, | 7 | Whilden, John H, | 38-74 |
| Howell, Forest G, | 147 | Wmdfohr, Arthu, | 148-181 |
| Jantsen & Hollinger, | 218 | Yates, G Christy, | 241-245-246 |
| Jeffries, Robert, | 166 | Yates, Hoffman & Robbins, | 123-229 |
| Lake, J Hammit, | 92 | Yates, Lucius E, | 227 |
| Lake, Little, Bateman & Bradford, | 247 | Yates & Peterson, | 109-254 |
| | | Yates, Yates & Peterson | 109-124 |

SECTION C

| NAME | GROUND No | NAME | GROUND No |
|---------------------------|---------------------|---------------------------|-------------------|
| Abbott, Abdon, Sr, | 20 | Cosier, Peter C, | 102-241-278-260- |
| Adams, J Wesley, | 68 | | 569-604 |
| Adams & Cook, | 538 | Cosier, Wilham W, | 480 |
| Adams & Holmes, | 560 | Cosier, Cosier, More & | |
| Allen, Ed H, | 316 | More, | 357 |
| Bacon & Bell, | 147 | Cosier & Gates, | 478 |
| Bacon & Chance, | 142 | Cosier & Husted, | 259 |
| Bailey & Dilks, | 2-3-4 | Covert & Lee, | 100-312-320-582 |
| Bateman, Luther, | 73-264-265-266-281- | Cox, Champion H, | 14-132-177 |
| | 343-354-447-451- | Cox & Cox, | 15-83-128-129 |
| | 459-534 | Cruise, Benjamin B, | 94-358-608 |
| Bateman, Moses, & | | Cruise, David K, | 512 |
| Claude, | 548 | Degroff, Willham, | 501 |
| Bateman, Rebecca R, | 72-267 | Dodson Thos L, | 507 |
| Bateman, R L, & R S, | 110-219-251-323- | Donnelly, Lorenzo G, | 389 |
| | 493-618-580 | Edmonds & Garrison, | 362 |
| Bateman & Blizzaid, | 360 | Elmer, Craig, | 181 |
| Bateman & Burt, | 220-254-273-275- | Errickson & Compton, | 206 |
| | 433 | Evans, Evans & Evans, | 513 |
| Bateman, Diamant & | 112-268-270-327- | Fithian & Minch, | 118-126-234-277- |
| Elmer, | 355-448-499 | | 465-482 |
| Bateman & Emerson, | 166-167 | Fithian & Sutton, | 86 |
| Bateman & Swing, | 123-280-352-420 | Flynn, John, | 486-503-514 |
| Bateman & Turner, | 180 | Fowler, Wm E, | 183-498-563 |
| Bateman & Whilden, | 238-239 | Fowler & Morris, | 449 |
| Berry, Robbins & Camp- | | Gandy, Miles, | 263-279-282-462- |
| bell, | 369-471 | | 464 |
| Berry, Chas, & Phillips, | 209-370 | Garrison, Frank L, | 19 |
| Berry, Stultz, | 26-218-371-418- | Garrison, Joseph M, | 9-559 |
| | 542 | Gaskill, George S, | 295-579 |
| Bidwell, Willham, | 557 | Gaskill, John, | 106-444-476-611- |
| Blackman & Blackman, | 105-340-342 | | 592 |
| Bluxsom, Robert H, | 403 | Hageman, Albert C, | 88-296-522-523- |
| Bornhorst, August, | 302 | | 524 |
| Bowker & Bowker, | 184-364 | Hager, Sherman, | |
| Bowker, Chas, | 185-210-555-597 | Hand, Constant W, | 150-193-310-418- |
| Bowker, Thomas, | 363 | | 474-533 |
| Bradford, Chas L, | 134-432-434-590 | Hand, Harrison | 213-578 |
| Bradford, Elwood, | 82 | Hand, C W, & Berr, | |
| Bradford, Lucius E, | 516 | W H, | 406-488 |
| Bradford & Vannaman, | 179-274 | Hand, Berry & Berry, | 23-368 |
| Brineshults & Mayhew, | 283-324-455-456- | Hand & Campbell, | 127-409-421-526 |
| | 458 | Hand, Joslin & Joslin, | 356 |
| Burmght, Stites & Stites, | 410 | Harrington, Gerald, | 574 |
| Buzine & Garrison, | 301-550 | Hearn, Margaret, | 96-214-437-500 |
| Campbell, Archie, & W | | Hearn & Co, | 236-537 |
| A, | 32-541 | Henderson, Lafayette, | 245-381 |
| Campbell, James, Sr, | 328-408-160-206- | Henry & Buzby, | 111-121-144-203- |
| | 246 | | 208-313-315 |
| Campbell, James, Jr, | 70-187-400-401- | Hettinger, Henry A | 248 |
| | 576 | Hiles, Claude, & Co | 602 |
| Campbell, James, & A B, | 492 | Hinson, Harold E, | 314-380 |
| Campbell, James, & Wil- | | Hinson & Bateman, | 95-97-98-114-224- |
| son, | 91-284-332-407 | | 305-367-431-520 |
| Campbell, James & Co, | 598 | Hollinger Harrison, | 63 |
| Campbell, Peter, | 28-293-337-568 | Howell, Forest G, | 616 |
| Campbell, Smith, | 11 | Husted, Howard S, | 107-108-412 |
| Campbell & Mints, | 508 | Ingersoll, Chas M, | 491 |
| Campbell & Robbins, | 246-247-249-446- | Ingersoll & Campbell | 481 |
| | 533-605 | Jeffries, Robert, | 151-532-610 |
| Campbell, Winfield A, | 58 | Joslin, Benjamin S, | 84-261-262-593 |
| Chance, Eh W, | 373 | Johnson Chas F, | 93-285-416-454 |
| Chance, John S, | 16 | Joslin, Moncreif, Mulford | |
| Chance, Rudolph, | 25 | & Mulford, | 240-411 |
| Chew, Willham V, | 207 | Ladlow & Bradford, | 71-430 |
| Chew, Bateman & Henry, | 202-436 | Lake David R, | 66-79-148 |
| Clark & Clark, | 549 | Lake, John T, | 164-165-216 |
| Cook, E J, | 7-69-205-252-505- | Lake, Samuel C, | 154-221-372-595- |
| | 518-519-441 | | 609-599 |
| Cosier, Lucius E., | 186 | Lake & Bluxsom, | 561 |

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| NAME | GROUND No | NAME | GROUND No |
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| Lake, Little, Bateman & | | Robbins, Levi, & Ed C, | 64 |
| Bradford, | 215 | Robbins, Sheppard, | 146-402 |
| Land, Willham H, | 543-547 | Robbins, Silas, Sr, | 76 |
| Lee, Harry M, | 138-143 | Rogers, Maurice R, | 99-176-226-347-348- |
| Loe, Louvisa (Mrs), | 441 | | 377-461-490 |
| Loe, N J, | | Rogers & Whilden, | 74-75-383-384-435- |
| Loe, R T, & W C, | 27-271-319-420 | | 586 |
| Loe, Lore & Lore, | 395 | Schoch, George Y, | 339 |
| More, Robert, Jr, | 115 | Schoch & Sharp, | 227 |
| More & More, | 484-521-587 | Schoch & Sharp, | 92-375-442-453 |
| Mulford, A G, & J | | Sharp, Albert R, | 546 |
| Ralph, | 113-80-81-533 | Sharp, Zadok C, Jr, | 544 |
| Mulford, Ephram, | 124 | Sharp, Zadok C, Jr, & | |
| Mulford & Mulford, | 117-120-331-334- | Sr, | 614 |
| | 346-529-562 | Sharp & Polhamus, | 6-8-496 |
| Mulford, Mulford & Mul- | 130-131-330-388- | Sharp & Williams, | 379 |
| ford, | 463 | Sharpless, John, | 168-405-460 |
| Neal, Joseph D, | 182-289-335-450 | Sheldon & Bell, | 531 |
| Newcomb, Adrian B, | 256-291-341-414- | Sheppard, Harrison, | 90-196-191-231- |
| | 589 | | 374-376 |
| Newcomb, Geo W C, | 428 | Sheppard, Lewis F, | 116-119-311-336 |
| Newcomb, Josiah, & | | | 344-585 |
| Daniel L, | 506 | Sheppard, R D, & S | 122-257-276-278- |
| Newcomb, Lewis B, | 87 | Ware, | 415-425-466 |
| Newcomb, Ohn W, | 135-141-527 | Shropshire, Edward, | 232-233-386-419 |
| Newcomb, Peter F, | 133-139-297-427 | Shull, John L, | 85-237-329-607 |
| Newcomb, Peter F, & | | Simms, Benjamin W, | 269-333 |
| G W C, | 136-137 | Simpkins, Thomas, | 125-326-396 |
| Newcomb, Theophilus, | 443 | Smith & S W Sheppard, | 615 |
| Newcomb, William B, | 426 | Smith & D R Sheppard, | 272-298-452-606 |
| Nickleson, Henry C, | 67 | Sockwell, Howard W, | 47-48-49-50-51-52- |
| Nieukirk & Nieukirk, | 253 | | 44-222-228-349- |
| Nieukirk, Nieukirk & | | | 366-540 |
| Hogate, | 109 | Stites, Ed, Jr, & Garri- | |
| Orr, Mark L, | 300 | son, F L, | 571 |
| Orr & Mints, | 299 | Stites, Edmund, Jr, | 152-153-322-361- |
| Peace, Wm M, | 189 | | 399-393-423-483- |
| Peiry & Teppenauer, | 552 | | 617 |
| Peterson & Bateman, | 57-188-192-304-469 | Stites, Edmund & | |
| Peterson, Geo C, | 242-292-338-588-594 | Howard, | 398 |
| Petit & Bell, | 31 | Stites & Newcomb, | 255-591 |
| Pierce & Pennell, | 345-351-584 | Stites, Stites & Newcomb, | 243-318-422 |
| Polhamus, Everett & Her- | | Sutton, Wm G, | 600 |
| bert, | 10 | Terry & Terry, | 404 |
| Polhamus & Stowman, | 103-190-583 | Townsend, Mark, | 229-359-387 |
| Polhamus, William, | 382 | Townsend, Stacy, | 536 |
| Rahr, David, | 78 | Tozour & Poster, | 545 |
| Randolph, Andrew, | 212 | Turner, James A, Jr, | 603-613 |
| Riggin & Riggin, | 572 | Vail, Wm A, Jr, | 504 |
| Riggin, Edward M, | 223-225-321 | Vail & Loper, | 290-353-397-457- |
| Riggin, Walter C, | 573 | | 370 |
| Riggin, W C, & C M, | 394 | Veal, Moses, | 575 |
| Robbins, Campbell & | | Wallen, Whitaker & Wal- | |
| Robbins, | 24 | len, | 175-178-235-244- |
| Robbins & O'Neil, | 515 | | 230-308-309 |
| Robbins, Robbins & Rob- | | Webb & Swank, | 525 |
| bins, | 502-619 | Westcott & Trenchaid, | 140 |
| Robbins, Clarence M, | 286-390 | Whilden, Somers H, | 385 |
| Robbins, David, Jr, | 287-288-294-325 | Windfohr, Arthur, | 172 |
| Robbins, David, Sr, | 54-55-56-197-306- | Yates, G Christy, | 195-378-485-472 |
| | 417-438-439-473- | Yates, Hoffman & Rob- | |
| | 487 | bins, | 65-467-494-497 |
| Robbins, Edward C, | 61-62-59 | Yates, Lucius E, | 77-157-194-350- |
| Robbins, George, | 45-89-440-470 | Yates & Sheppard, | 391-392-424-564 |
| Robbins, Henry S, | 198-199-200-250- | | 156 |
| | 365-468-511 | Yates, Yates & Peterson, | 149-217-303-307 |
| Robbins, Levi, | 60-317-479 | | |

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|-------------------------------|--------------------|--------------------------------------|---------------------|
| Adams, J Wesley, | 195 | Cosier & Gates, | 78-99 |
| Adams, Minnie (Mrs), | 360 | Covert & Lee, | 330 |
| Adams & Robbins, | 248 | Cox, Champion H, | 237 |
| Allen, Edward H, | 218 | Cox & Cox, | 227 |
| Bacon & Bell, | 402 | Cruse, Benjamin B, | 103-185 |
| Bacon & Lake, | 236 | Cruse, David K, | 335 |
| Bailey, Lafayette, | 84-205-279 | Diament, Chas G, | 363 |
| Bailey & Dilks, | 8-199-315 | Dodson, Thomas L, | 253-278 |
| Baker, Edward, | 392 | Edmonds & Garrison, | 207 |
| Baker & Sharp, | 358 | Evans, Evans & Evans, | 92 |
| Bass, John M, | 395 | Fagan, Raymond, | 440 |
| Bateman, Luther, | 97-282-325-405-436 | Fagan, Dillahay & Jeffries, | 336 |
| Bateman, Moses, & Claude, | 10-266 | Ferguson, Argus S., | 66-307 |
| Bateman, Rebecca R, | 112-167 | Fisher, John, | 378 |
| Bateman & Blizzard, | 148-311 | Fithian & Minch, | 150-287 |
| Bateman & Burt, | 403-450 | Flynn, John, | 314 |
| Bateman & Crossley, | 322 | Gandy, Ephraim, | 9 |
| Bateman, Diament & Elmer, | 158 | Gandy, Miles, | 173-174-283-422 |
| Bateman & Diament, | 426 | Gandy & VanGildei, | 104-292 |
| Bateman & Emerson, | 30-83-306 | Garrison, Joseph, | 102 |
| Bateman & Robbins, | 271 | Garrison, Joseph M, | 255 |
| Bateman & Swing, | 77-276 | Garrison & Bonham, | 348 |
| Bateman & Welden, | 136-209-321 | Gaskill, George S, | 137-339-432 |
| Berry, Robbins & Campbell, | 219 | Gaskill, John, | 134-294 |
| Berry, Berry & Earl, | 414-443 | Hageman, Albert C, | 81-193-208-386 |
| Berry, Chas, & Philip, | 95 | Hager, Sherman, | 438 |
| Berry, Stultz, | 145-431 | Hand, Constant W, | 35-142-175-176 |
| Berry, Wm H, | 179-244-210 | Hand, Harrison, | 374 |
| Bidwell, William, | 373 | Hand, Beiry & Berry, | 157-168 |
| Blackman & Blackman, | 94-415 | Hand & Campbell, | 190-251-261-317-428 |
| Blizzard, Stetson L, | 216 | Hand & Newell, | 418 |
| Bornhorst, August, | 256-229 | Hanners, McClellan, | 16-163-377 |
| Bowker & Bowker, | 425 | Harrington, Gerald, | 363 |
| Bowker, Charles, | 241 | Harris, John W., Jr, | 316 |
| Bwoker, Thomas, | 194 | Henitz, Harry E, | 382 |
| Bowker, McDaniels & Sockwell, | 370 | Henderson, Lafayette, | 355 |
| Bradford, Alford, | 280 | Henry & Buzby, | 105-146-147-323 |
| Bradford, Chas L, | 170-420 | Hettinger, Henry A | 203 |
| Bradford, Lucius E, | 87-252 | Hiles, Claude, & George, | 439 |
| Bradshaw, John P, | 429 | Hinson, Harold E, | 15-365 |
| Brineshults & Mayhew, | 29-183-421 | Hinson & Bateman, | 44-119-131-191 |
| Burnight, Stites & Stites, | 351 | Hollinger, Harrison, | 106 |
| Burns, Kelsey, | 445 | Hollinger & Bradford, | 319 |
| Buzine & Garrison, | 413 | Howell, Forest G, | |
| Cain, Elms L, | 96-277 | Hunter, Aaron S, | 155-235 |
| Campbell, Archie, & W A, | 90-328 | Hunter, William C, | 18 |
| Campbell & Campbell, | 416 | Husted, Howard S, | 165 |
| Campbell, James, Sr, | 154 | Husted, Wm, & Howard, | 338 |
| Campbell, James, & Wilson, | 153 | Ingersoll, Chas M, | 397 |
| Campbell, Peter, | 130-161-286-412 | Jantsen, Gus, | 109 |
| Campbell & Gates, | 51 | Jenkins, William, | 260-396 |
| Campbell & Mints, | 200 | Joslin, Benjamin S, | 41-98 |
| Campbell & Robbins, | 297 | Johnson, Chas F, | 340 |
| Chew, Bateman & Henry, | 177 | Johnson, Chas W, | 263 |
| Clark & Clark, | 267 | Joslin, Howard, | 362 |
| Clark, William, | 344 | Joslin, Joslin & Joslin, | 379 |
| Conahay & Yates, | 326 | Joslin & Moncrief, | 171 |
| Cook, F J, | 264 | Joslin, Moncrief, Mulford & Mulford, | 353 |
| Cosier, Lucius E, | 151 | Ladow, Hammell, | 82 |
| Cosier, Peter C, | 71-110-290 | Ladow, Sylvanus A, | 11-333 |
| Cosier, William W, | 70 | Ladow & Bradford, | 143-295-391 |
| Cosier, Cosier, More & More, | 72 | Lake, John T, | 114-186-423 |
| | | Lake, J Hammtt, | 357 |
| | | Lake, Samuel C, | 204 |
| | | Lee, Harry M, | 144-401 |
| | | Lee & Henderson, | 449 |
| | | Lee, Maurice R, | 262 |

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| Lee, Samuel, | 239-228-424 | Robbins, Edward C, | 113 |
| Lord & Tribbet, | 368 | Robbins, George, | 406 |
| Lore, Addie, | 296 | Robbins, Henry S, | 24-108-115-138 |
| Lore, Louvisa (Mrs), | 168 | Robbins, Jos S, | 243 |
| Lore, Tyler J, | 387 | Robbins, Levi, | 116 |
| Lore, R T, & W C, | 88-128-152-156-309 | Robbins, Levi, & Edward C, | 303 |
| Lore, Lore & Lore, | 59-60-273-288-444 | Robbins, Sheppard, | 124-125 |
| McClain, Chas G, | 67-293 | Robbinson, Silas, Sr, | 89-376 |
| McDaniels, Howard, & Major, | 299 | Rogers, Maurice A, | 12-13-141-298 |
| McDaniels & Sockwell, | 442 | Rogers & Whilden, | 33-62 |
| McGugan, Munton, | 427 | Rowley, L Bates, | 304 |
| McDaniels, Willard, | 310 | Schoch, George Y, | 37-39-215 |
| Meiler, John, | 249 | Schoch & Sharp, | 38-93 |
| Moore, Isaac, | 259 | Schoch & Vail, | 36 |
| Moore, S E, | 285 | Schwartz, Cobb & Cobb, | 231 |
| Moore & Henry, | 305 | Sharp, Albert R, | 238 |
| More, Robert, Jr, | 187 | Sharp, John W, | 312 |
| More & More, | 329 | Sharp, Walter L, | 220 |
| Mulford, A G, & J Ralph, | 331 | Sharp & Polhamus, | 269 |
| Mulford, Mahln, | 257 | Sharp, Sharp & Harris, | 258 |
| Mulford & Mulford, | 50-55-63-390 | Sharp & Willhams, | 437 |
| Mulford, Mulford & Mulford, | 181 | Sharpless, John, | 107-197-240-393 |
| Neal, Joseph D, | 74 | Sharpless, Maurice, | 446 |
| Newcomb, Adrian B, | 389 | Sheppard, Harrison, | 27-346 |
| Newcomb, Geo W C, | 169-448 | Sheppard, Ivy & Nathan, | 400 |
| Newcomb, Josiah, & Daniel L, | 178-313 | Sheppard, Lewis F, | 180-184-332-361-409 |
| Newcomb, Lewis B, | 45-65-337 | Sheppard, R D, & S Ware, | 129 |
| Newcomb, Oln W, | 222 | Shull, Harry, | 42 |
| Newcomb, Peter F, | 189-162-343 | Shull, John L, | 64-172-217 |
| Newcomb, Peter F, & G W C, | 75 | Shull, S Burton, | 232 |
| Newcomb, Theophilus, | 135-320 | Simms, Benjamin W, | 341 |
| Nickelson, Henry C, | 265-384 | Simpkins, Thomas, | 342 |
| Nieukirk, James P, | 308 | Smith, Asa C, & Seth S, | 281 |
| Nieukirk, Nieukirk & Hogate, | 28-270 | Smith & Sharpless, | 388 |
| Orr, John H, | 122-254-419 | Smith & Sheppard, | 410 |
| Orr, Mark L, | 118-274 | Snell, Warrie H, | 272 |
| Orr & Mints, | 19 | States, R, Jr, & Garrison, F L, | 211-369 |
| Pashley, Chas, | 367 | States, Gilbert, | 79-80 |
| Peace, William M, | 202 | States & Newcomb, | 411 |
| Pepper & Pepper, | 34-133-139-140-372 | States, Stites & Newcomb, | 352 |
| Peterson & Bateman, | 120-201-225-408 | Sutter & Robbins, | 404 |
| Peterson, Geo C, | 73-324 | Sutton, William G, | 188 |
| Peterson & Moore, | 381 | Terry, George N, | 117 |
| Polhamus & Stowman, | 85-380 | Townsend, Stacy, | 356 |
| Randolph, Andrew, | 375 | Tozour, Charles, | 417 |
| Randolph & Adams, | 385 | Tubman, Oscar L, | 407 |
| Reed & Robbins, | 270-302-399 | Turner, James A, Jr, | 100-447-432-452 |
| Riggin, Riggin & Riggin, | 434 | Turner, Leaming, | 20-123-182-350 |
| Riggin, Walter C, | 46-48 | Turner, May, | 76 |
| Riggin, Walter C, & Chas M, | 61 | Turpin & Collins, | 364 |
| Riggin, Riggin, Riggin & Stites, | 291 | VanVhet, William, | 383 |
| Robbins, Robbins & Robbins, | 435 | Veal & Loper, | 21-126-132-226-359 |
| Robbins, Clarence M, | 48-68 | Veal, Moses, | 127 |
| Robbins, Daniel T, | 221 | Wallen, Whitaker & Wallen, | 91-186-192 |
| Robbins, David, Jr, | 242-318 | Westcott & Trenchard, | 32-57-58-275-268 |
| Robbins, David, Sr, | 349 | Whilden, John H, | 149 |
| | | Windfohr, Arthur, | 159 |
| | | Yates, G Christy, | 223 |
| | | Yates, Lucius E, | 250-40-111-121-164-198-224 |

Oyster Bed Leases—Ocean County.

| NAME | ADDRESS | No | Acreage | Amount | Date | | Term |
|-------------------------------|----------------|-----------------|---------|--------|-------|----------|--------|
| | | | | | Month | Year | |
| Abbott, John, | Port Republic, | 84 | 11 | \$5 50 | Dec | 31, 1910 | 1 year |
| Abbott, Wm, | Manahawkin, | 707-745-750-751 | 20 | 10 00 | Aug | 1, 1911 | 1 year |
| Adams, Elmer, | Port Republic, | 43 | 11 | 5 50 | Dec | 31, 1910 | 1 year |
| Adams, Ernest G, | New Gretna, | 68 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Adams, E G, & E K Allen, | New Gretna, | 182 | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Adams, John, | New Gretna, | 105-106 | 16 | 8 00 | Dec | 31, 1910 | 1 year |
| Allen, Caleb F, & Grey, John, | New Gretna, | 11-12-72 | 7 | 3 50 | Dec | 31, 1910 | 1 year |
| Allen, Charles, | New Gretna, | 116½ | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Allen, Chas H, | New Gretna, | 74-114-116 | 13 | 6 50 | Dec | 31, 1910 | 1 year |
| Allen, Chas Arnold, | New Gretna, | 115-134 | 6 | 3 00 | Dec | 31, 1910 | 1 year |
| Allen, Chester, | New Gretna, | 144 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Allen, Edward K, | New Gretna, | 67-128 | 7 | 3 50 | Dec | 31, 1910 | 1 year |
| Allen, Jas H, | New Gretna, | 135 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Allen, John, | New Gretna, | 33-34-69 | 5 | 2 50 | Dec | 31, 1910 | 1 year |
| Allen, Jos B, Sr, | Tuckerton, | 8½-79½ | 6 | 3 00 | Aug | 1, 1911 | 1 year |
| Allen, Jos B, | Tuckerton, | 8-79 | 12 | 6 00 | Dec | 31, 1910 | 1 year |
| Allen, Jos B, Jr, | Tuckerton, | 30 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Allen, Lawrence, | Tuckerton, | * | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Allen, Samuel B, | New Gretna, | 148 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Allen, Thomas A, No 1, | New Gretna, | 81-90 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Allen, Thomas A, | Tuckerton, | 27-37 | 5 | 2 50 | Dec | 31, 1910 | 1 year |
| Allen, T Jefferson, | Tuckerton, | 13-14 | 5 | 2 50 | Dec | 31, 1910 | 1 year |
| Allen, Uriah, | New Gretna, | 39 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Allen, Uriah, | New Gretna, | 143 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Allen, Walter S, | Tuckerton, | 76 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Allen, W S, & S B Allen, | New Gretna, | 80½-25½ | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Allen, Walter, & Samuel B, | New Gretna, | 75-9 | 7 | 3 50 | Dec | 31, 1910 | 1 year |
| Allen, Washington, | New Gretna, | 170 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Anderson, Samuel S, | Tuckerton, | 322-397* | 13 | 6 50 | Aug | 1, 1911 | 1 year |
| Anderson & Jones, | Tuckerton, | 338 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Bailey, Samuel, | Toms River, | 16 | 6 | 3 00 | Dec | 31, 1910 | 1 year |
| Bartlett, A R, | Tuckerton, | 491 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Bartlett, Chas P, | West Creek, | 76-94-298 | 9 | 4 50 | Dec | 31, 1910 | 1 year |
| Bates, Henry, | Port Republic, | 103 | 22 | 11 00 | Dec | 31, 1910 | 1 year |
| Bennett, Josiah, | Tuckerton, | 426 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Berry, E M, | Tuckerton, | 405-406 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Birdsall, Jesse, | Barnegat, | 20 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Birdsall, John, | Barnegat, | * | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Bogan, R S, | New Gretna, | 22-122-113 | 27 | 13 50 | Dec | 31, 1910 | 1 year |
| Bowen, Clark, | Leeds Point, | 164 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Bowen, Porter E, | Tuckerton, | 419 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Bowker, Wm, | Barnegat, | 2-12 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Brand, Geo W, | Tuckerton, | 178 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Bunley, Alexander, | Lanoka, | 27 | 8 | 4 00 | Aug | 1, 1911 | 1 year |
| Brown, Andrew, | Barnegat, | 2 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Brown, Ezra P, | West Creek, | 167-816-285-90- | 20 | 10 00 | Dec | 31, 1910 | 1 year |
| Brown, Ezra P, | West Creek, | 153-165-197 | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Brown, James D, | Tuckerton, | 308 | 6 | 3 00 | Aug | 1, 1911 | 1 year |
| Brown, John W, | Parke town, | 939 | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Brown, Markley, | Parkertown, | 843-827-119 | 11 | 5 50 | Nov | 1, 1910 | 1 year |
| Brown, Walter P, | Tuckerton, | 334½ | 4 | 2 00 | May | 1, 1910 | 1 year |
| Brown & Regan, | Tuckerton, | 420 | 3 | 1 50 | Dec | 31, 1910 | 1 year |
| Bunnell, Chas, & Ephraim, | Lanoka, | * | 6 | 3 00 | April | 1, 1910 | 1 year |
| Bunnell, Moses, | Lanoka, | 53 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Buton Bros, | Tuckerton, | 454-481* | 17 | 8 50 | Aug | 1, 1911 | 1 year |
| Cavileer, Fillmore, | Port Republic, | 42 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Cavileer, Gilbert, | Port Republic, | 121 | 3 | 1 50 | Dec | 31, 1910 | 1 year |
| Chandler, Alex, | Barnegat, | 7 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Chew, Benjamin, | New Gretna, | 3-4-5-117 | 8 | 4 00 | Dec | 31, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | | Term |
|---------------------------|----------------|------------------|---------|--------|-------|----------|--------|
| | | | | | Month | Year | |
| Chew, Wm H, | New Gretna, | 1 | 3 | \$1 50 | Aug | 1, 1911 | 1 year |
| Cobb, Alonzo & Sons, | Staffordville, | 160 | 3 | 1 50 | Dec | 31, 1910 | 1 year |
| Cobb, Jonathan, | Mayetta, | 43-4 | 6 | 3 00 | Dec | 31, 1910 | 1 year |
| Cobb, Thomas, | Cedar Run, | 929 | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Conklin, Amariah, | Cedar Run, | 34¼ | 3 | 1 50 | Dec | 31, 1910 | 1 year |
| Conklin, Calvin, | Cedar Run, | 12 | 1 | 1 00 | Aug | 1, 1911 | 1 year |
| Conklin, Chas W, | Cedar Run, | 860 | 1 | 1 00 | Aug | 1, 1911 | 1 year |
| Conklin, Lewis A, | Cedar Run, | 46-23 | 8 | 4 00 | Dec | 31, 1910 | 1 year |
| Conklin, Nehemiah, | Cedar Run, | 20 | 6 | 3 00 | Dec | 31, 1910 | 1 year |
| Conklin, P H, | Cedar Run, | 874 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Conklin, Robert, | Cedar Run, | 13 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Conklin, Robert, | Cedar Run, | 34½-17¼ | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Conklin, Samuel B, | Cedar Run, | 22½-22 | 8 | 4 00 | Dec | 31, 1910 | 1 year |
| Conklin, S G, | Cedar Run, | 41 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Conover, Chas H, | Tuckerton, | 456-315 | 10 | 5 00 | Aug | 1, 1911 | 1 year |
| Cornelius, John, | Bayville, | * | 3 | 1 50 | April | 1, 1910 | 1 year |
| Cowperwarte, Henry, | Beach Haven, | 287-246-189-190 | 21 | 10 50 | Dec | 31, 1910 | 1 year |
| Cowperwarte, Henry, | Beach Haven, | 934-908 | 26 | 13 00 | Aug | 1, 1911 | 1 year |
| Cowperwarte, Thos J, | Tuckerton, | * | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Cox Bros & Leigh, | West Creek, | 546 | 15 | 7 50 | Aug | 1, 1911 | 1 year |
| Cox, Chas, | Barnegat, | 53 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Cox, G H, & N B, | West Creek, | 105-179 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cox, Geo M, | West Creek, | 282-181-99 | 8 | 4 00 | Dec | 31, 1910 | 1 year |
| Cox, Harry, & Wm, | Tuckerton, | 854-427-470 | 12 | 6 00 | Aug | 1, 1911 | 1 year |
| Cox, James, | Barnegat, | 30 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Cox, Jonathan, | West Creek, | * | 8 | 4 00 | Aug | 1, 1911 | 1 year |
| Cox, Jonathan, & John, | West Creek, | 142 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cox, Wm E, | West Creek, | 128-812-166-176- | 17 | 8 50 | Dec | 31, 1910 | 1 year |
| Cranmer, A E, | Barnegat, | 178-79 | 5 | 2 50 | April | 1, 1910 | 1 year |
| Cranmer, Augustus G, | Cedar Run, | 7-43 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Augustus G, | Cedar Run, | 862 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Albert S, | West Creek, | 27 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Amariah, & Levi, | Cedar Run, | 25 | 3 | 1 50 | Dec | 31, 1910 | 1 year |
| Cranmer, Arnold, | New Gretna, | 2 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Arnold, | New Gretna, | 139-25-71-474- | 5 | 2 50 | Dec | 31, 1910 | 1 year |
| Cranmer, Arnold, | New Gretna, | 174-802 | 32 | 16 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Ashbrook J, | Cedar Run, | 129-252-336½ | 5 | 2 50 | Dec | 31, 1910 | 1 year |
| Cranmer, Ashbrook J, | Cedar Run, | 31-3 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Benjamin R, | Cedar Run, | 868 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Benjamin R, | Cedar Run, | 38½ | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Caleb S, & Son, | Cedar Run, | 10 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Daniel D, | New Gretna, | 80-94-172 | 12 | 6 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Donald F, | New Gretna, | 133-138 | 13 | 6 50 | Dec | 31, 1910 | 1 year |
| Cranmer, Ellis, | Staffordville, | 48 | 6 | 3 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Elmer, | Manahawkin, | 904 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Cranmer, F Frank, | Manahawkin, | 741-701-720-735 | 16 | 8 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Frank W, | Manahawkin, | 869-47 | 12 | 6 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Fred G, | Staffordville, | 55-56 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cranmer, G Augustus, | Cedar Run, | 879 | 3 | 1 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Harry E, | Cedar Run, | 16-32 | 5 | 2 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Harvey G, | Cedar Run, | 461½ | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Howard, | Cedar Run, | 870 | 2 | 1 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Howard, | Cedar Run, | 14 | 4 | 2 00 | April | 1, 1910 | 1 year |
| Cranmer, Irving J, | Mayetta, | 8 | 2 | 1 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Jas A, | Cedar Run, | 866 | 4 | 2 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Jas A, | Staffordville, | 208-221 | 13 | 6 50 | Dec | 31, 1910 | 1 year |
| Cranmer, Jas H, | Manahawkin, | 1 | 6 | 3 00 | Aug | 1, 1911 | 1 year |
| Cranmer, Jos Thos, | Manahawkin, | 709-703-705- | 13 | 6 50 | Aug | 1, 1911 | 1 year |
| Cranmer, Jos W, | West Creek, | 727-733 | 10 | 5 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Levi, | Cedar Run, | 813-941 | 4 | 2 00 | Dec | 31, 1910 | 1 year |
| Cranmer, Lewis A, | Cedar Run, | 33 | 3 | 1 50 | Dec | 31, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|----------------------------------|----------------|------------------------------------|---------|---------|---------------|--------|
| Cranmer, Matthias, | Mayetta, | *-531-9-876-878 | 35 | \$17 50 | Aug 1, 1911 | 1 year |
| Cranmer, Noah, | Manahawkin, | 717-746 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Cranmer, Oliver T, & N B Cox, | West Creek, | 42-17-501-186 | 11 | 5 50 | Dec 31, 1910 | 1 year |
| Cranmer, Oscar C, | West Creek, | 151-139 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Cranmer, P H, | Staffordville, | 1 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Cranmer, Rufos, | Manahawkin, | 757-718-* | 13 | 6 50 | Aug 1, 1911 | 1 year |
| Cranmer, Samuel, | Cedar Run, | 26 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Cranmer, Samuel, | Cedar Run, | 871 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Cranmer, Samuel R, | West Creek, | 60 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Cranmer, Samuel, & Jos, | West Creek, | 199 | 2 | 3 00 | Dec 31, 1910 | 1 year |
| Cranmer, Thomas, | Cedar Run, | 24 | 8 | 4 00 | Dec 31, 1910 | 1 year |
| Cranmer, Thomas H, | Manahawkin, | 725-740-734-738 704-700-723-719 | 42 | 21 00 | Aug 1, 1911 | 1 year |
| Cranmer, Thomas H, | Manahawkin, | *-465-726 | 24 | 12 00 | April 1, 1910 | 1 year |
| Cranmer, Walter H, | Cedar Run, | 11-51-10½ | 8 | 4 00 | Dec 31, 1910 | 1 year |
| Cranmer, William E, | Manahawkin, | *-38 | 14 | 7 00 | Dec 31, 1910 | 1 year |
| Cummings, Chas, | Parkertown, | 812 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Cummings, Eugene, | Parkertown, | 810-849-903 | 9 | 4 50 | Aug 1, 1911 | 1 year |
| Cummings, Joseph, | Parkertown, | 801 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Cummings, Jos, & Sons, | Parkertown, | 800 | 9 | 4 50 | Aug 1, 1911 | 1 year |
| Cummings, Silas, & Chas, | Parkertown, | 907 | 10 | 5 00 | Oct 1, 1910 | 1 year |
| Cummings, W H, | Parkertown, | *-844-917 | 9 | 4 50 | Nov 1, 1910 | 1 year |
| Darby, J W, | New Gretna, | 23-66-28-29 | 18 | J 00 | Dec 31, 1910 | 1 year |
| Davis, Has W, | Audubon, | 835 | 9 | 4 50 | Nov 1, 1910 | 1 year |
| Dothday, A T, | Barnegat | 2 | 14 | 7 00 | Aug 1, 1911 | 1 year |
| Driscoll, E, | Tuckerton, | 154 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Driscoll, Harry, | Tuckerton, | 404 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Driscoll, Houston, | Tuckerton, | 446 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Driscoll, Reuben, | Tuckerton, | 402-447 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Dumfee, Israel, | Mayetta, | *-943 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Dumfee, Thomas, | Mayetta, | 872 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Dumfee, William, | Mayetta, | 853 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Eayres, Alphonso, | Barnegat, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Estlow, Sadoc, | Barnegat, | 5-6 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Elberson, Armsted, | Tuckerton, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Everham, Benjamin, | Toms River, | 35-38 | 28 | 14 00 | Aug 1, 1911 | 1 year |
| Falkinburg Bros, | Tuckerton, | 498½ | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Fennimore, Allen, | West Creek, | 138-111 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Fennimore, Allen, | West Creek, | 53-54-200-502 | 12 | 6 00 | Dec 31, 1910 | 1 year |
| Fimmoie, A, & Cranmer, O, | West Creek, | 120 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Fiske, Horace, | Tuckerton, | 126 | 19 | 4 50 | Dec 31, 1910 | 1 year |
| Fiske, H, & L, | Tuckerton, | 385½ | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Frazier, Frank, | Tuckerton, | * | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Friench, Lewis M, | Port Republic, | 127 | 7 | 3 50 | Dec 31, 1910 | 1 year |
| Gale, E A, | Tuckerton, | * | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Gale, Harvey E, | Tuckerton, | 333 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Gale, Harvey E, | Tuckerton, | 311 | 9 | 4 50 | April 1, 1910 | 1 year |
| Gale, Wm H, | Tuckerton, | 102-153 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Garrison, Benjamin H, | Tuckerton, | 464 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Garrison, Eugene, | Tuckerton, | *-332 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Gaskill, Carlisle, | New Gretna, | 145 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Gaskill, Jeremiah, | Tuckerton, | 60 | 5 | 2 50 | Oct 1, 1910 | 1 year |
| Gaskill, Jesse, | New Gretna, | 131 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Gaskill, T J, | New Gretna, | 56-64-83 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Gaskill, Wm F, | Tuckerton, | 346 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Grant, Herschel, | Lanoka, | 31 | 5 | 2 50 | April 1, 1910 | 1 year |
| Grant, Jesse, | Bayville, | 28 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Grant, Jesse, | Bayville, | 20 | 13 | 6 50 | Aug 1, 1911 | 1 year |
| Grant, John, | Lanoka, | 32 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Grant, John, | Lanoka, | 34 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Grant, John, | Lanoka, | " | 4 | 2 00 | April 1, 1910 | 1 year |
| Grant, Nelson, | Lanoka, | 33 | 6 | 3 00 | Aug 1, 1911 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|-------------------------------|----------------|---------------------------|---------|---------|---------------|--------|
| Grant, S T, | Lanoka, | 30 | 21 | \$10 50 | Aug 1, 1911 | 1 year |
| Grant, Wm (Mrs), | Lanoka, | 1 | 11 | 5 50 | May 1, 1910 | 1 year |
| Gray, Wm, | Lanoka, | 2 | 11 | 5 50 | May 1, 1910 | 1 year |
| Grey, John A, | New Gretna, | 17-130 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Haywood, Frank, | Manahawkin, | 1-2-708 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Haywood, J P, | West Creek, | 179-173-414-204 | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Haywood, J P, | West Creek, | 837-550-814-292 | 30 | 15 00 | Aug 1, 1911 | 1 year |
| Headley, Parker C, | Tuckerton, | 78 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Headley, Parker C, | Tuckerton, | 452 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Helfrisch, Jos, | Barnegat, | 24 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Hewitt, Jesse, | Port Republic, | " | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Hewitt, Nelson, | Port Republic, | 44 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Hewitt, Nelson, | Port Republic, | 184 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Hgbee, Samuel, | Port Republic, | 45 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Hgbee, Samuel, | Port Republic, | 104 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Hgbee, Someis T, | Leeds Point, | 176 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Higgins, Theodore, | Beverly, | 476½ | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Hollingsworth, Geo, | Barnegat, | 46-10-22-27-41- 10-7-2 | 70 | 35 50 | Aug 1, 1911 | 1 year |
| Holmes, Edward, | Forked River, | " | 4 | 2 00 | April 1, 1910 | 1 year |
| Holmes, John S, | Forked River, | " | 2 | 1 00 | April 1, 1910 | 1 year |
| Holmes, Stephen, | Forked River, | " | 2 | 1 00 | April 1, 1910 | 1 year |
| Homan, Atmore, | Parkertown, | 227½ | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Homan, B Frank, | Parkertown, | 822-* | 13 | 6 50 | Aug 1, 1911 | 1 year |
| Homan, Frank, | West Creek, | 58 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Homan, F, & Rutter, J W, | West Creek, | 821-* | 16 | 8 00 | Aug 1, 1911 | 1 year |
| Homan, F, & Rutter, J W, | West Creek, | 152 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Homan, Joseph, | Parkertown, | " | 4 | 2 00 | Oct 1, 1910 | 1 year |
| Homer, Chas A, | Parkertown, | 851-216½ | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Horne, Ed A, | Tuckerton, | 494 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Horne, Ephraim, | Manahawkin, | 706½ | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Horne, Isaac, | Parkertown, | 828 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Horne, Samuel, | Tuckerton, | 186 | 11 | 5 50 | June 1, 1910 | 1 year |
| Horne & Jones, | Tuckerton, | 339 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Huntly, Chas, | Port Republic, | 46-1 | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Inman, Est inent, | Barnegat, | 28 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Inman, Lewis, | Manahawkin, | 743 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Inman, Stephen, Sr, | Barnegat, | 11-38 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Ireland, Mahlon, | Tuckerton, | " | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Jeffrey, Howard, | Lanoka, | 1 | 10 | 5 00 | May 1, 1910 | 1 year |
| Johnson, Cornelius, | West Creek, | 83-940½-935 | 13 | 6 50 | Aug 1, 1911 | 1 year |
| Johnson, Edward, | Port Republic, | 194 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Johnson, Edward, | Port Republic, | 195-943½ | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Johnson, Isaiah, | West Creek, | 121 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Johnson, Samuel L, | Manahawkin, | 193 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Johnson, Stephen, | Manahawkin, | *-4 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Jones, A H, | Manahawkin, | " | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Jones, A H, | West Creek, | 124-909-126-91 | 8 | 4 00 | Dec 31, 1910 | 1 year |
| Jones, A J, | West Creek, | 831-823 | 19 | 9 50 | Aug 1, 1911 | 1 year |
| Jones, John F, | West Creek, | 122-89 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Jones, Joseph H, | West Creek, | 845-284-127 | 13 | 6 50 | Dec 31, 1910 | 1 year |
| Jones, Samuel A, | Tuckerton, | 343-448 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Jones, Samuel B, | Tuckerton, | 386-398-* | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Kelley, Alexis, & Sons, | Tuckerton, | 151 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Kelley, C D, | West Creek, | 98-72-133-164- 172-830 | 26 | 13 00 | Dec 31, 1910 | 1 year |
| Kelley, C D, & G Y Schoch, | West Creek, | 134-170 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Kelley, C D, | West Creek, | 300-137-143- 163-463 | 65 | 32 50 | Dec 31, 1910 | 1 year |
| Kelley, Eugene, | West Creek, | 103-206 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Kelley, Eugene, | West Creek, | 856 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Kelley, Eugene, | West Creek, | 932-901 | 17 | 8 50 | Oct 1, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|------------------------------------|---------------|--|---------|--------|--------------|--------|
| Kelley, Hugh F. | West Creek, | 185-500 | 14 | \$7 00 | Dec 31, 1910 | 1 year |
| Kelley, James E. | West Creek, | 185-500 | 14 | 7 00 | Dec 31, 1910 | 1 year |
| Kelley, J Harvey, | West Creek, | 93-86-289 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Kelley, J Harvey, | West Creek, | 123-136-171 | 11 | 5 50 | Dec 31, 1910 | 1 year |
| Kelley, J Henry, | West Creek, | 825 | 10 | 5 00 | Aug 1, 1911 | 1 year |
| Kelley, James W. | West Creek, | 70 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Kelley, James W. | Tuckerton, | 436 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Kelley, Job, | Tuckerton, | 498 3/4 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Kelley, Luzzie (Mrs.), | West Creek, | 838 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Kelley, Mannas, | West Creek, | 241 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Kelley, Mannas, | West Creek, | 69 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Kelley, Myles, | West Creek, | 297 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Kelley, N E., | West Creek, | 135-140 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Kelley, Presgrove, | West Creek, | 848-826 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Kelley, Presgrove, | West Creek, | * | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Kelley, Presgrove, & Barcey Moore, | West Creek, | 850-* | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Kelley, T C., | West Creek, | * | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Kelley, T C., | West Creek, | 835-210-240-943 | 32 | 16 00 | Dec 31, 1910 | 1 year |
| Kelley, T C. & Sons, | West Creek, | 902-852-833 | 35 | 17 50 | Aug 1, 1911 | 1 year |
| King, John, | Barnegat, | 283-248-92-100-242-237-104-177-174-207 | 37 | 18 50 | Dec 31, 1910 | 1 year |
| Lamson, Joel W., | Cedar Run, | 4 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Lamson, Joseph A., | Cedar Run, | 28-5 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Lamson, Joseph A., | Cedar Run, | 30 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Leeds, Risley, | Leeds Point, | 867 | 2 | 1 00 | Oct 1, 1910 | 1 year |
| Leigh, A J (Mrs.), | West Creek, | 40 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Leigh, A J (Mrs.), | West Creek, | 129 1/2 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Lemunyon, Baradford, | West Creek, | 202 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Letts, Nathan, | Manahawkin, | 64 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Letts, Pruden, | Manahawkin, | 730-748-756 | 15 | 7 50 | Aug 1, 1911 | 1 year |
| Letts, Sela, | Manahawkin, | 744-732-714-754 | 11 | 5 50 | Aug 1, 1911 | 1 year |
| Lippincott, Frank, | Tuckerton, | 747-728 | 19 | 9 50 | Aug 1, 1911 | 1 year |
| Lippincott, Wm., | Tuckerton, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Loveland, Benjamin, | New Greta, | 450 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Loveland, Jesse A., | New Greta, | 52 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Loveland, Jesse A., | New Greta, | 54-141 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Loveland, Jesse I., | New Greta, | 120 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Loveland, Joseph, | Pot Republic, | 92 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Loveland, Joseph A., | New Greta, | 71 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Loveland, Wm., | New Greta, | 49 | 2 | 2 50 | Aug 1, 1911 | 1 year |
| Luker, Stephen, | Tuckerton, | 183 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Marshall Bros., | Tuckerton, | 348 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Marshall, Geo L., | Tuckerton, | 434 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Marshall, Geo, & Jas., | Tuckerton, | 433 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Marshall, Harry, | Beach Haven, | 313 | 8 | 4 00 | Dec 31, 1910 | 1 year |
| Marshall, James, | Tuckerton, | 307 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Marshall, Noah, | Tuckerton, | 432-* | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Marshall, Solomon, | Tuckerton, | 429-* | 10 | 5 00 | Aug 1, 1911 | 1 year |
| Martin, Frank, | Manahawkin, | 739 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Martin, Humphrey, | Manahawkin, | 706-711 | 32 | 16 00 | Dec 31, 1910 | 1 year |
| Martin, Shreve, | Manahawkin, | 756 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Mathis, Alvin E., | New Greta, | 73-82 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Mathis, Arnold, | Tuckerton, | 50 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Mathis, Caleb A., | New Greta, | 180 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Mathis, Caleb A., | New Greta, | 165 | 8 | 4 00 | Dec 31, 1910 | 1 year |
| Mathis, Daniel E., | New Greta, | 91 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Mathis, Floyd, | Tuckerton, | 158 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Mathis, Frank, | Leeds Point, | 10-111-112 | 24 | 12 00 | Dec 31, 1910 | 1 year |
| Mathis, Frank, | Leeds Point, | 10 1/2-111 1/2 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Mathis, Harry V., | New Greta, | 6-58-* | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Mathis, Harry, & Curtis, | New Greta, | 55 | 7 | 3 50 | Dec 31, 1910 | 1 year |
| Mathis, Ira, | Tuckerton, | 499-* | 6 | 3 00 | Oct 1, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|-------------------------|---------------|-----------------------------------|---------|--------|---------------|--------|
| Mathis, John K., | New Greta, | * | 2 | \$1 00 | Dec 31, 1910 | 1 year |
| Mathis, Jos A., | New Greta, | 16 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Mathis, M C., | New Greta, | 147 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Mathis, Pitman, | New Greta, | 19 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Mathis, Walter R., | New Greta, | 95-96 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Mathis, Wm A., | Tuckerton, | 453-* | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Mathis, Wm H., | New Greta, | 15-70 | 7 | 3 50 | Dec 31, 1910 | 1 year |
| McAnney, John, | New Greta, | 32-132 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| McCarthy, Timothy, | Lanoka | 18 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| McDaniels, Wm R., | Tuckerton, | 486-323 1/2 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Miller, Knsign, | West Creek, | 80 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Mills, John, | Barnegat, | 62 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Moore, Barclay, | West Creek, | 112 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Moore, Barclay, | West Creek, | 936 | 6 | 2 00 | Aug 1, 1911 | 1 year |
| Morris, Wm A., | Tuckerton, | 326-472 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Mott, Joel, | Tuckerton, | 132-109-110 | 7 | 3 50 | Dec 31, 1910 | 1 year |
| Parker, Adelbert, | Parkertown, | 921 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Parker, Alex, | Tuckerton, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Parker, Arche, | Parkertown, | 923 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Parker, Chas H., | Tuckerton, | 387-493 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Parker, F S., | Tuckerton, | 466 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Parker, Hansell, | Parkertown, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Parker, Hazelton, | Parkertown, | 916-841 | 10 | 5 00 | Nov 1, 1910 | 1 year |
| Parker, Henry, | Parkertown, | 914 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Parker, James A., | Parkertown, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Parker, Jay C., | Parkertown, | * | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Parker, John N., | Parkertown, | * | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Parker, J W, & Bros., | Parkertown, | 924 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Parker, John W, & Sons, | Parkertown, | 492-428-318-321-325-327-328-329-* | 75 | 37 50 | Aug 1, 1911 | 1 year |
| Parker, Nelson, | Parkertown, | 803 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Parker, Norris L., | Parkertown, | 227 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Parker, Norwood, | Parkertown, | * | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Parker, Philip, | Parkertown, | 928-927-8-811-911-913 | 24 | 12 00 | Aug 1, 1911 | 1 year |
| Parker, Rudolph, | Parkertown, | 263 | 10 | 5 00 | Aug 1, 1911 | 1 year |
| Parker, Samuel B., | Tuckerton, | 804 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Parker, Thomas, | Tuckerton, | 396-395-341 | 26 | 13 00 | Aug 1, 1911 | 1 year |
| Parker, Wm A., | Parkertown, | 926 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Parker, W W., | Parkertown, | * | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Patterson, Cortemus, | Manahawkin, | 920 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Patterson & Cobb, | Manahawkin, | 702 1/2 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Perrine, Ella, | Collingswood, | 36-45-37 | 12 | 6 00 | Aug 1, 1911 | 1 year |
| Perrine, Samuel, | Barnegat, | 5 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Peterson, W., | Barnegat, | 31-32-* | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Pharo, Aaron, | Barnegat, | 40 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Pharo, Frank, | West Creek, | 234-73 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Pharo, Frank, | West Creek, | 81-255 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Pharo, Frank, | West Creek, | 824 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Pharo, Jas J., | Tuckerton, | 455 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Pharo, Watson L., | West Creek, | 256-196-819 | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Philips, Randolph, | Forked River, | 10 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Pitt, Wm., | West Creek, | 109-168 | 4 | 2 00 | April 1, 1910 | 1 year |
| Potter, Ed F., | West Creek, | 26 | 5 | 2 50 | Dec 31, 1910 | 1 year |
| Potter, W H., | West Creek, | 198-217-216-157 | 20 | 10 00 | Aug 1, 1911 | 1 year |
| Price, Abram, | Parkertown, | 815 | 11 | 5 50 | Dec 31, 1910 | 1 year |
| Price, Clarence, | Parkertown, | 809 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Price, Mason, | Parkertown, | 918-802 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Price, Merritt, | Parkertown, | 808 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Pullen, Barzillai, | Tuckerton, | 417-340-479-418-441-443 | 19 | 9 50 | Aug 1, 1911 | 1 year |
| Pullen, Barzillai, | Tuckerton, | 478 | 9 | 4 50 | April 1, 1910 | 1 year |
| Pullen, Chas K., | Tuckerton, | 416 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Pullen, Frank, | Tuckerton, | 160 | 3 | 1 50 | Dec 31, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|-----------------------------|----------------|---------------------------------|---------|--------|---------------|---------|
| Qunn, Geo, | Tuckerton, | 393-389-347-* | 15 | \$7 50 | Dec 31, 1910 | 1 year |
| Rider, Arthur T, | Beach Haven, | 342 | 9 | 4 50 | Aug 1, 1911 | 1 year |
| Rider, Anson J, & Sons, | Tuckerton, | 442-451-424-422-412-465-* | 34 | 17 00 | Aug 1, 1911 | 1 year |
| Ridgway, Edward, | Barnegat, | 45-20 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Ridgway, J K, | Barnegat, | 14-19-11-* | 16 | 8 00 | Aug 1, 1911 | 1 year |
| Ridgway, Oscar, | Barnegat, | 1-3-13 | 11 | 5 50 | Aug 1, 1911 | 1 year |
| Ridgway, William, | Barnegat, | 8 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Ripley, John, | West Creek, | 110 | 2 | 1 00 | May 1, 1910 | 1 year |
| Ripley, John, | West Creek, | 900 | 10 | 5 00 | Aug 1, 1911 | 1 year |
| Robbins, Chas, | New Gretna, | 35-36-86-87-65 | 12 | 6 00 | Dec 31, 1910 | 1 year |
| Robbins, L D, | New Gretna, | 118-89-93 | 2 | 3 00 | Dec 31, 1910 | 1 year |
| Robbins, William, | Barnegat, | 42 | 6 | 1 00 | Aug 1, 1911 | 1 year |
| Rossell, Louis G, | Tuckerton, | | 1 | 1 50 | April 1, 1910 | 1 year |
| Rulon, Harpel, | West Creek, | 201-159-75-291 | 14 | 7 00 | Dec 31, 1910 | 1 year |
| Russell, Clarence, | Barnegat, | 23 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Russell, Holmes, | Barnegat, | 34-37 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Rutler, John W, | West Creek, | 942 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Rutler, John W, | West Creek, | 841-232 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Rutler & Haywood, | West Creek, | 68-244-97-63 | 12 | 6 00 | Dec 31, 1910 | 1 year |
| Rutter, C Roy, | West Creek, | 185 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Rutter, J W, & Kelley, J, | West Creek, | 169 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Rutter, R F, | West Creek, | 175-191-203-183 | 20 | 10 00 | Dec 31, 1910 | 1 year |
| Rutter, R F, | West Creek, | 817 | 15 | 7 50 | Aug 1, 1911 | 1 year |
| Rutter, T H, | Barnegat, | 44 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Salmons, Abram B, | Staffordville, | 458½ | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Salmons, Daniel, | West Creek, | 147 | 3 | 1 50 | Aug 1, 1911 | 1 year |
| Salmons, Edwin, | West Creek, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Salmons, Joel J, | Staffordville, | 52 | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Salmons, Joel J, | Staffordville, | 454 | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Sapp, H W, | Tuckerton, | 394-312-309 | 32 | 16 00 | Aug 1, 1911 | 1 year |
| Sapp, Jos E, | Tuckerton, | 487-475-482-334-324-489-498½ | 47 | 23 50 | Dec 31, 1910 | 1 year |
| Sapp, Walter L, | Tuckerton, | 314-490-* | 15 | 7 50 | Aug 1, 1911 | 1 year |
| Sawyer, Jos, | Tuckerton, | 356-323 | 26 | 13 00 | Aug 1, 1911 | 1 year |
| Seaman, Clarence, | West Creek, | 82-145-162-842 | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Seaman, Geo A, | West Creek, | 84-144-156-239 | 24 | 12 00 | Dec 31, 1910 | 1 year |
| Seaman, Josephus, | West Creek, | 247 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Seaman, J, & H, | West Creek, | 66 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Seaman, Wm P, | West Creek, | 107-88-65 | 7 | 3 50 | Dec 31, 1910 | 1 year |
| Seaman, W S, | West Creek, | 67-96-301-187 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Sears, Wm N, | New Gretna, | 47-146 | 14 | 7 00 | Aug 1, 1911 | 1 year |
| Shafto, Alvin, | Manahawkin, | 737 | 6 | 3 00 | May 1, 1910 | 1 year |
| Shinn, Alfred, | West Creek, | 158 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Shinn, Chas S, Jr, | Moorestown, | 114-214-224-* | 24 | 12 00 | Dec 31, 1910 | 1 year |
| Shinn, Ed L, | West Creek, | 233-74 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Shinn, Ed L, | West Creek, | 938-215 | 20 | 10 00 | Dec 31, 1910 | 1 year |
| Shinn, Frank, & Ed, | West Creek, | 840-1-147 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Shinn, Harry S, | West Creek, | 225 | 20 | 10 00 | Dec 31, 1910 | 1 year |
| Shinn, John A | West Creek, | 220-209-161-906-222-148-236-229 | 25 | 12 50 | Dec 31, 1910 | 1 year |
| Shinn, John A, | West Creek, | 218-118-228-154-117-231 | 22 | 11 00 | Dec 31, 1910 | 1 year |
| Shinn, John A, | West Creek, | 987-150 | 15 | 7 50 | Aug 1, 1911 | 1 year |
| Shinn, Samuel E, & Sons, | West Creek, | 245-230-235-839-219 | 14 | 7 00 | Dec 31, 1910 | 1 year |
| Shinn, Thos, | West Creek, | 125-238 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Smith, Henry P, | Tuckerton, | 445-477 | 5 | 2 50 | Aug 1, 1911 | 1 year |
| Smith, Chas A, | Forced River, | 1000 | 12 | 30 00 | Aug 1, 1914 | 5 years |
| Smith, Ernest, | Tuckerton, | * | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Smith, E R, & Sapp, Walter, | Tuckerton, | * | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Smith, Jos P, | Tuckerton, | 344 | 4 | 2 00 | Mar. 1, 1910 | 1 year |

OYSTER BED LEASES—OCEAN COUNTY—Continued

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|---------------------------------|----------------|-----------------------------------|---------|--------|---------------|--------|
| Smith, Richard G, | Manahawkin, | 35 | 4 | \$2 00 | Aug 1, 1911 | 1 year |
| Smith, Samuel A, | Tuckerton, | 452½ | 6 | 3 00 | Aug 1, 1911 | 1 year |
| Smith, Samuel J, & Sons, | Tuckerton, | 345 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Sooy, Daniel, Sr, | New Gretna, | 24-59 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Soper, Chas H, | Barnegat, | 9-33-56 | 11 | 5 50 | Aug 1, 1911 | 1 year |
| Soper, Philip, | Barnegat, | 702½-716-713 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Soper, Philip, & Pruden, Letts, | Manahawkin, | 742 | 5 | 2 50 | April 1, 1910 | 1 year |
| Speck, Jas H, & Bios, | Tuckerton, | 20-98-119-107-100-175 | 126 | 63 00 | Dec 31, 1910 | 1 year |
| Speck, Wilham, | Tuckerton, | 21 | 10 | 5 00 | Dec 31, 1910 | 1 year |
| Speck, Wm H, | Tuckerton, | * | 3 | 1 50 | Dec 31, 1910 | 1 year |
| Sprague, Albert, | Tuckerton, | 471 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Sprague, Edwin B, | Staffordville, | 877-40-861 | 6 | 3 00 | Dec 31, 1910 | 1 year |
| Sprague, Frank, | West Creek, | 62-85 | 4 | 2 00 | Dec 31, 1910 | 1 year |
| Sprague, Frank, & John F, | West Creek, | 78 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Sprague, Henry, | West Creek, | 71 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Sprague, Joel H, | Beach Haven, | 457 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Sprague, John F, | West Creek, | 180 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Sprague, Lewis, | Tuckerton, | 409-438-* | 13 | 6 50 | Aug 1, 1911 | 1 year |
| Sprague, Philip, | Tuckerton, | 430-439-*-410 | 15 | 7 50 | Dec 31, 1910 | 1 year |
| Sprague, Philip A, | West Creek, | | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Sprague, Philip R, | West Creek, | 205-101-131-818-182 | 11 | 5 50 | Dec 31, 1910 | 1 year |
| Sprague, Reuben, | West Creek, | 77 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Sprague, Samuel, | Barnegat, | 39 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| Sprague, Wm D, | West Creek, | 933-59 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Stager, H E, | Manahawkin, | 1 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Stevens, Chas, | Tuckerton, | 430½-443½ | 9 | 4 50 | Dec 31, 1910 | 1 year |
| Stiles, Alexis, | Tuckerton, | 467 | 8 | 4 00 | Aug 1, 1911 | 1 year |
| Stiles, David, | Tuckerton, | 26-385-317-7 | 22 | 11 00 | Dec 31, 1910 | 1 year |
| Stiles, Edward, | Tuckerton, | 388- | 14 | 7 00 | Aug 1, 1911 | 1 year |
| Stiles, Elias, | Tuckerton, | 336 | 11 | 5 50 | Aug 1, 1911 | 1 year |
| Stiles, Ezra, | Tuckerton, | 392-403-408-335-413-425-407-431-* | 36 | 18 00 | Dec 31, 1910 | 1 year |
| Stiles, Ezra, | Tuckerton, | 855 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Stiles, Herbert W, | Tuckerton, | 331 | 7 | 3 50 | Aug 1, 1911 | 1 year |
| Stiles, Jas, Jr, | Tuckerton, | 415 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Stiles, Willits, | Tuckerton, | 351 | 16 | 8 00 | Aug 1, 1911 | 1 year |
| Taylor, Georgianna (Mis) | Bayville, | * | 3 | 1 50 | April 1, 1910 | 1 year |
| Truex, George C, | Mayetta, | 863 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Truex, Jos J, | Mayetta, | 865 | 2 | 1 00 | Aug 1, 1911 | 1 year |
| VanNote, Holmes, | Bayville, | * | 3 | 1 50 | April 1, 1911 | 1 year |
| White, Adelbert, | Tuckerton, | 488 | 4 | 2 00 | Sept 1, 1910 | 1 year |
| White, David M, | Manahawkin, | * | 4 | 2 00 | Aug 1, 1911 | 1 year |
| White, Walter, | Tuckerton, | 351 | 4 | 2 00 | Aug 1, 1911 | 1 year |
| Wilson, Amasa, | Port Republic, | * | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Wilson, Geo, & Pierce, George, | Port Republic, | 163-179 | 9 | 4 50 | Aug 1, 1911 | 1 year |
| Wilson, John H, | Port Republic, | 41 | 2 | 1 00 | Dec 31, 1910 | 1 year |
| Wood, R A, | West Creek, | 226 | 2 | 1 00 | Dec 31, 1910 | 1 year |

* Lots have not as yet been surveyed

Oyster Bed Leases—Shark River.

| NAME | ADDRESS | No | Acreage | Amount | Date | Term |
|-----------------------|----------------|----|---------|--------|----------------|--------|
| Allgor, Benj E, | New Bedford, | 12 | 1 | \$1 25 | April 12, 1910 | 1 year |
| Allgor, Devine, | Como, | 44 | 8 | 7 50 | Aug 10, 1910 | 1 year |
| Allgor, Devine, | Como, | 48 | 2 | 3 00 | Sept 23, 1910 | 1 year |
| Allgor, Devine, | Como, | 61 | 3 | 5 50 | June 11, 1910 | 1 year |
| Allgor & Newman, | Como, | 79 | 58 | 29 00 | May 11, 1910 | 1 year |
| Allgor & Newman, | Como, | 85 | 1 | 1 50 | April 4, 1910 | 1 year |
| Beers, White & Bowd, | Bradley Beach, | 26 | 4 | 5 00 | May 16, 1910 | 1 year |
| Bennett, Chas M, | Asbury Park, | 75 | 3 | 3 00 | April 23, 1910 | 1 year |
| Bennett, Chas M, | Asbury Park, | 76 | 4 | 3 00 | April 27, 1910 | 1 year |
| Bennett, Chas M, | Asbury Park, | 81 | 3 | 2 25 | May 27, 1910 | 1 year |
| Bennett, Edm, Sr, | Avon, | 36 | 1 | 3 00 | May 20, 1910 | 1 year |
| Bennett, Edm F, | Avon, | 28 | 1 | 2 50 | May 16, 1910 | 1 year |
| Bennett, Edm F, | Avon, | 71 | 1 | 3 00 | Sept 21, 1910 | 1 year |
| Bennett, Franklin E, | Asbury Park, | 66 | 2 | 1 00 | Sept 21, 1910 | 1 year |
| Bennett, Franklin E, | Asbury Park, | 64 | 2 | 6 00 | Sept 21, 1910 | 1 year |
| Bennett, Franklin E, | Asbury Park, | 2 | 4 | 12 00 | April 3, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 50 | 2 | 2 00 | Oct 4, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 4 | 1 | 3 00 | April 4, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 13 | 4 | 3 00 | April 15, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 19 | 2 | 6 00 | May 11, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 78 | 1 | 1 00 | May 10, 1910 | 1 year |
| Bennett, Henry A, | Avon, | 86 | 1 | 3 00 | May 18, 1910 | 1 year |
| Bennett, Wm S, | Avon, | 35 | 1 | 3 00 | May 20, 1910 | 1 year |
| Bentell, E M, | Avon, | 73 | 1 | 3 00 | Sept 25, 1910 | 1 year |
| Brown, Harry, | Asbury Park, | 84 | 6 | 6 00 | Oct 9, 1910 | 1 year |
| Campbell, Freeman, | New Bedford, | 15 | 4 | 9 00 | April 24, 1910 | 1 year |
| Campbell, Freeman, | New Bedford, | 52 | 2 | 1 00 | Nov 2, 1910 | 1 year |
| Campbell, Freeman, | New Bedford, | 55 | 1 | 1 50 | April 25, 1910 | 1 year |
| Campbell, Neil, | Belmar, | 16 | 4 | 6 00 | April 27, 1910 | 1 year |
| Flemming, Henry, | Avon, | 40 | 2 | 4 00 | June 3, 1910 | 1 year |
| Flemming, Henry, | Avon, | 80 | 5 | 4 00 | May 13, 1910 | 1 year |
| Gassin, Joseph R, | Belmar, | 6 | 2 | 2 00 | April 7, 1910 | 1 year |
| Glash, Harry, | Asbury Park, | 82 | 2 | 1 00 | May 28, 1910 | 1 year |
| Green, H D, | Asbury Park, | 77 | 10 | 7 50 | May 4, 1910 | 1 year |
| Howland, Chas, Mrs, | Belmar, | 70 | 1 | 2 00 | Sept 22, 1910 | 1 year |
| Low, C L, | Hamilton, | 14 | 1 | 3 00 | April 20, 1910 | 1 year |
| Loughlin, J W, | Belmar, | 41 | 6 | 5 00 | July 20, 1910 | 1 year |
| Loughlin, J W, | Belmar, | 69 | 6 | 5 00 | May 25, 1910 | 1 year |
| Morris, Alex, | Avon, | 68 | 4 | 12 00 | May 19, 1910 | 1 year |
| Morris, Wm F, | Asbury Park, | 57 | 4 | 11 00 | April 27, 1910 | 1 year |
| Morris, Wm F, | Asbury Park, | 56 | 3 | 2 00 | April 27, 1910 | 1 year |
| Newman, Wilson L, | Belmar, | 32 | 7 | 6 50 | May 17, 1910 | 1 year |
| Newman, Wilson L, | Belmar, | 47 | 2 | 4 00 | Sept 23, 1910 | 1 year |
| Newman, Wilson L, | Belmar, | 49 | 2 | 4 00 | Oct 3, 1910 | 1 year |
| Newman, Wilson L, | Avon, | 74 | 4 | 3 00 | April 17, 1910 | 1 year |
| Palmer, John P, | Avon, | 27 | 2 | 1 50 | May 16, 1910 | 1 year |
| Palmer, John P, | Avon, | 51 | 2 | 1 00 | Oct 9, 1910 | 1 year |
| Palmer, John P, | Avon, | 54 | 2 | 2 00 | April 21, 1910 | 1 year |
| Tilton, William L, | New Bedford, | 9 | 2 | 2 00 | April 12, 1910 | 1 year |
| Tucker, Edm, | Avon, | 88 | 2 | 2 00 | June 15, 1910 | 1 year |
| Wight, Jas, Mr & Mrs, | Belmar, | 8 | 1 | 3 00 | April 12, 1910 | 1 year |
| Woolley, E S V, | New Bedford, | 37 | 3 | 3 50 | May 23, 1910 | 1 year |
| Woolley, Geo C, | Bradley Beach, | 87 | 1 | 1 50 | May 31, 1910 | 1 year |
| Woolley, Hiram, | New Bedford, | 33 | 1 | 1 50 | May 19, 1910 | 1 year |
| Woolley, Jos C, | Asbury Park, | 45 | 4 | 4 00 | Sept 16, 1910 | 1 year |
| Woolley, Wm H, | New Bedford, | 53 | 1 | 1 00 | April 2, 1910 | 1 year |
| Woolley, Wm H, | New Bedford, | 34 | 2 | 2 00 | May 19, 1910 | 1 year |
| Woolley, Wm H, | New Bedford, | 10 | 1 | 1 00 | April 12, 1910 | 1 year |

Delaware Bay and Maurice River Cove Boat Licenses.

| NAME | ADDRESS | No | Tonn | Date | Term | Amount |
|----------------------|-----------------|-----|----------------------|----------------|--------|---------|
| Abbott, Abdon, Sr, | Poit Norris, | 244 | 18 | April 30, 1910 | 1 year | \$27 00 |
| Abbott, Abdon, Jr, | Poit Norris, | 422 | 10 | March 30, 1910 | 1 year | 15 00 |
| Adams, J Wesley, | Poit Norris, | 431 | 15 | March 31, 1910 | 1 year | 22 50 |
| Alcorn, Samuel, | Poit Norris, | 80 | 10 | April 30, 1910 | 1 year | 15 00 |
| Allen, Edward H, | Bivalve, | 136 | 10 | April 2, 1910 | 1 year | 15 00 |
| Arnold, James, | Fantou, | 450 | 33 | March 25, 1910 | 1 year | 49 50 |
| Aimstrong, George, | Delmont, | 61 | 35 | April 24, 1910 | 1 year | 52 50 |
| Bailey, A F, | Port Norris, | 332 | 21 | April 1, 1910 | 1 year | 31 50 |
| Bailey, David, | Port Norris, | 115 | Under April 1, 1910 | 1 year | 10 00 | |
| Bailey, Lafayette, | Dividing Creek, | 138 | 16 | April 1, 1910 | 1 year | 24 00 |
| Baker, Edward, | Haleyville, | 77 | 10 | March 30, 1910 | 1 year | 15 00 |
| Bass, John M, | Newport, | 198 | Under April 24, 1910 | 1 year | 10 00 | |
| Bass, Smith, | Port Norris, | 312 | Under April 30, 1910 | 1 year | 10 00 | |
| Bateman, Americus, | Millville, | 239 | 31 | April 1, 1910 | 1 year | 46 50 |
| Bateman, B F, | Newport, | 160 | 34 | April 1, 1910 | 1 year | 51 00 |
| Bateman, Elmer, | Poit Norris, | 156 | 30 | April 4, 1910 | 1 year | 45 00 |
| Bateman, Moses, | Mauricetown, | 31 | 16 | March 31, 1910 | 1 year | 24 00 |
| Bell, George C, | Newport, | 75 | 26 | March 31, 1910 | 1 year | 39 00 |
| Bell, John S, | Newport, | 119 | 15 | March 31, 1910 | 1 year | 22 50 |
| Bell, William, | Leesburg, | 501 | 13 | April 1, 1910 | 1 year | 19 50 |
| Berry, Benjamin, | Port Norris, | 158 | 30 | April 5, 1910 | 1 year | 45 00 |
| Berry, Charles, | Port Norris, | 195 | 23 | March 31, 1910 | 1 year | 34 50 |
| Berry, Henry, | Port Norris, | 81 | 24 | March 31, 1910 | 1 year | 36 00 |
| Berry, Henry A, | Port Norris, | 357 | 14 | April 5, 1910 | 1 year | 21 00 |
| Berry, John W, | Port Norris, | 82 | 32 | April 30, 1910 | 1 year | 48 00 |
| Berry, Stultz, | Port Norris, | 5 | 32 | March 30, 1910 | 1 year | 48 00 |
| Bidwell, William, | Bivalve, | 286 | 10 | April 1, 1910 | 1 year | 15 00 |
| Blackman, Smith, | Port Norris, | 213 | 23 | April 11, 1910 | 1 year | 34 50 |
| Blizzard, George M, | Cedarville, | 562 | 10 | April 26, 1910 | 1 year | 15 00 |
| Blizzard, Hiram, | Cedarville, | 429 | 8 | April 30, 1910 | 1 year | 12 00 |
| Blizzard, Stetson, | Cedarville, | 437 | Under April 30, 1910 | 1 year | 10 00 | |
| Bonham, Lewis, | Dividing Creek, | 273 | 8 | April 29, 1910 | 1 year | 12 00 |
| Bonhorst, August, | Poit Norris, | 185 | 15 | March 31, 1910 | 1 year | 22 50 |
| Bowker, Charles, | Dividing Creek, | 473 | 16 | April 1, 1910 | 1 year | 24 00 |
| Bowker, Thomas, | Port Norris, | 194 | 26 | April 23, 1910 | 1 year | 39 00 |
| Boyle, Charles, | Millville, | 389 | 13 | April 28, 1910 | 1 year | 19 50 |
| Bradford, Alford, | Newport, | 7 | 10 | April 30, 1910 | 1 year | 15 00 |
| Bradford, Charles L, | Newport, | 96 | 35 | April 1, 1910 | 1 year | 52 50 |
| Bradford, Lemuel, | Newport, | 250 | 26 | April 1, 1910 | 1 year | 39 00 |
| Bradshaw, John P, | Bridgeton, | 111 | 41 | April 2, 1910 | 1 year | 61 50 |
| Brandt, Walter, | Poit Norris, | 430 | 10 | April 28, 1910 | 1 year | 15 00 |
| Brant, Robert, | Camden, | 36 | 24 | March 30, 1910 | 1 year | 36 00 |
| Brunshults, John M, | Cedarville, | 42 | 43 | Oct 5, 1910 | 1 year | 64 50 |
| Brelsford, Athul, | Port Norris, | 22 | 9 | March 29, 1910 | 1 year | 13 50 |
| Buighton, George, | Newport, | 183 | 11 | March 31, 1910 | 1 year | 16 50 |
| Burns, Jacob, | Dividing Creek, | 249 | Under April 29, 1910 | 1 year | 10 00 | |
| Burt, George, | Cedarville, | 25 | 24 | May 27, 1910 | 1 year | 36 00 |
| Can, Ellis, | Port Norris, | 180 | 16 | March 31, 1910 | 1 year | 24 00 |
| Campbell, Archie, | Port Norris, | 110 | 19 | March 24, 1910 | 1 year | 28 50 |
| Campbell, Clement L, | Newport, | 34 | 30 | March 22, 1910 | 1 year | 45 00 |
| Campbell, Dayton, | Poit Norris, | 68 | 16 | April 29, 1910 | 1 year | 24 00 |
| Campbell, Harry O, | Newport, | 372 | 11 | March 23, 1910 | 1 year | 16 50 |
| Campbell, Peter, | Newport, | 227 | 33 | April 19, 1910 | 1 year | 49 50 |
| Campbell, Philip F, | Newport, | 479 | 16 | March 31, 1910 | 1 year | 24 00 |
| Campbell, Smith, | Dividing Creek, | 384 | 12 | March 24, 1910 | 1 year | 18 00 |
| Campbell, Stetson L, | Poit Norris, | 426 | 26 | April 5, 1910 | 1 year | 39 00 |
| Campbell, Walter, | Port Norris, | 240 | 27 | April 2, 1910 | 1 year | 40 50 |
| Campbell, Wilson A, | Newport, | 218 | 30 | April 1, 1910 | 1 year | 45 00 |
| Carey, James, | Camden, | 176 | 29 | April 4, 1910 | 1 year | 43 50 |
| Chambers, James, | Delmont, | 225 | Under April 30, 1910 | 1 year | 10 00 | |
| Chance, Eli W, | Mauricetown, | 325 | 25 | April 28, 1910 | 1 year | 37 50 |
| Chance, John S, | Leesburg, | 488 | 11 | March 29, 1910 | 1 year | 16 50 |
| Chew, William V, | Port Norris, | 137 | 15 | April 20, 1910 | 1 year | 22 50 |

DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

| NAME | ADDRESS | No | Tonn | Date | | Term | Amount |
|---------------------------|-----------------|-----|-------|-------|----------|--------|---------|
| | | | | | | | |
| Clark, John, | Port Norris, | 262 | 12 | Jan | 1, 1910 | 1 year | \$18 00 |
| Clark, John S, | Cedarville, | 299 | Under | April | 5, 1910 | 1 year | 10 00 |
| Clark, Joshua, | Port Norris, | 16 | 35 | Dec | 15, 1909 | 1 year | 52 50 |
| Clark, Wilham, | Bivalve, | 117 | 7 | April | 28, 1910 | 1 year | 10 50 |
| Coff, James, | Port Norris, | 120 | 8 | April | 27, 1910 | 1 year | 12 00 |
| Coff, Henry, | Fairton, | 188 | 47 | April | 22, 1910 | 1 year | 70 50 |
| Collins, Wilham T, | Camden, | 472 | Under | April | 1, 1910 | 1 year | 10 00 |
| Conahay, George R, | Port Norris, | 43 | 18 | April | 12, 1910 | 1 year | 27 00 |
| Corson, Champion, | Cedarville, | 212 | 12 | April | 1, 1910 | 1 year | 18 00 |
| Corson, Dudley, | Port Norris, | 168 | 9 | April | 11, 1910 | 1 year | 13 50 |
| Cosier, Wilham W, | Dividing Creek, | 408 | 14 | April | 5, 1910 | 1 year | 21 00 |
| Covert, Charles A, | Leesburg, | 411 | 15 | April | 2, 1910 | 1 year | 22 50 |
| Cox, Champion H, | Leesburg, | 427 | 14 | April | 1, 1910 | 1 year | 21 00 |
| Cox, Lilburn, | Leesburg, | 150 | 18 | Sept | 22, 1910 | 1 year | 27 00 |
| Cox, Raymond, | Cedarville, | 147 | 13 | April | 1, 1910 | 1 year | 19 50 |
| Crossley, George, | Newport, | 51 | 10 | April | 26, 1910 | 1 year | 15 00 |
| Cruise, Benjamin B, | Mauicetown, | 191 | 27 | April | 1, 1910 | 1 year | 40 50 |
| Cruise, David K, | Dorchester, | 322 | 12 | March | 30, 1910 | 1 year | 18 00 |
| Daniels, David, | Bridgeton, | 199 | 24 | April | 1, 1910 | 1 year | 36 00 |
| Davis, Charles E, | Millville, | 270 | 23 | April | 29, 1910 | 1 year | 34 50 |
| Davis, Eh, | Fairton, | 130 | 32 | April | 9, 1910 | 1 year | 48 00 |
| Diamant, Wilham A, | Cedarville, | 32 | 22 | Sept | 23, 1910 | 1 year | 33 00 |
| Dillahay, Robert, | Port Norris, | 89 | 25 | April | 1, 1910 | 1 year | 37 50 |
| Dillahay, Samuel J, | Port Norris, | 39 | Under | March | 31, 1910 | 1 year | 37 50 |
| Dillahay, Wilham, | Cedarville, | 11 | Under | April | 12, 1910 | 1 year | 10 00 |
| Dodson, Thomas L, | Heislerville, | 386 | 12 | March | 31, 1910 | 1 year | 18 00 |
| Dolson, Feidmand, | Cedarville, | 103 | Under | April | 30, 1910 | 1 year | 10 00 |
| Donnelly, Lorenzo, | Heislerville, | 135 | 24 | April | 27, 1910 | 1 year | 36 00 |
| Eagan, John, | Camden, | 393 | 34 | March | 23, 1910 | 1 year | 51 00 |
| Earl, Thomas, | Port Norris, | 303 | 14 | March | 31, 1910 | 1 year | 21 00 |
| Eddy, Jarvis, | Port Norris, | 219 | 21 | April | 25, 1910 | 1 year | 31 50 |
| Edmunds, George, | Port Norris, | 246 | 6 | April | 30, 1910 | 1 year | 10 00 |
| Emerson, Horatio, | Cedarville, | 268 | 11 | April | 27, 1910 | 1 year | 16 50 |
| Erickson, Samuel, | Leesburg, | 49 | 38 | April | 2, 1910 | 1 year | 57 00 |
| Evans, Edgar, | Millville, | 337 | 32 | April | 1, 1910 | 1 year | 48 00 |
| Evans, Norman, | Millville, | 154 | 20 | April | 1, 1910 | 1 year | 30 00 |
| Fernes, John, | Greenwich, | 182 | 45 | April | 12, 1910 | 1 year | 67 50 |
| Fidler, Charles, | Leesburg, | 266 | 17 | April | 1, 1910 | 1 year | 25 50 |
| Fidler, Frank, | Dennisville, | 392 | 18 | March | 30, 1910 | 1 year | 27 00 |
| Fidler, Wilham L, | Leesburg, | 186 | 42 | April | 20, 1910 | 1 year | 63 00 |
| Fisher, Jacob, | Port Norris, | 238 | Under | April | 10, 1910 | 1 year | 10 00 |
| Fisher, John, | Port Norris, | 70 | 14 | April | 1, 1910 | 1 year | 21 00 |
| Flynn, John, | Camden, | 14 | 31 | April | 12, 1910 | 1 year | 46 50 |
| Foster, Lunwood, | Delmont, | 281 | 13 | April | 1, 1910 | 1 year | 19 50 |
| Gandy, Ephiam, | Dividing Creek, | 128 | Under | April | 29, 1910 | 1 year | 10 00 |
| Gandy, Miles, | Cedarville, | 88 | 28 | April | 1, 1910 | 1 year | 42 00 |
| Garrettson, Samuel H, Jr, | Heislerville, | 397 | 10 | April | 1, 1910 | 1 year | 15 00 |
| Garrison, Daniel C, | Heislerville, | 285 | Under | April | 1, 1910 | 1 year | 10 00 |
| Garrison, Frank L, | Dividing Creek, | 358 | 26 | March | 31, 1910 | 1 year | 39 00 |
| Garrison, Joseph, | Dividing Creek, | 235 | 10 | April | 1, 1910 | 1 year | 15 00 |
| Garrison, Powell, Jr, | Dividing Creek, | 90 | 7 | March | 14, 1910 | 1 year | 10 50 |
| Garrison, Richard, | Port Norris, | 170 | 13 | April | 1, 1910 | 1 year | 19 50 |
| Garrison, Richard, | Port Norris, | 170 | 23 | Oct | 12, 1910 | 1 year | 34 50 |
| Gaskill, Edward, | Port Norris, | 116 | 20 | April | 4, 1910 | 1 year | 30 00 |
| Gaskill, Elcana, | Port Norris, | 84 | 36 | April | 28, 1910 | 1 year | 54 00 |
| Gaskill, George S, | Port Norris, | 439 | 23 | March | 30, 1910 | 1 year | 34 50 |
| Gaskill, Jesse P, | Port Norris, | 458 | 27 | April | 1, 1910 | 1 year | 40 50 |
| Gaskill, Lunwood, | Port Norris, | 279 | 34 | April | 30, 1910 | 1 year | 51 00 |
| Gates, Harry A, | Newport, | 241 | 26 | March | 29, 1910 | 1 year | 39 00 |
| Gates, James, | Newport, | 341 | 25 | April | 6, 1910 | 1 year | 37 50 |
| Goff, Oliver, | Heislerville, | 210 | 20 | March | 31, 1910 | 1 year | 30 00 |
| Green, Samuel, | Port Norris, | 132 | 9 | April | 28, 1910 | 1 year | 13 50 |
| Green, Socrates, | Port Norris, | 4 | 10 | April | 1, 1910 | 1 year | 15 00 |
| Hager, Sherman, | Port Norris, | 44 | 47 | April | 21, 1910 | 1 year | 70 50 |

 DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

| NAME | ADDRESS | No | Tonn | Date | | Term | Amount |
|------------------------|-----------------|-----|-------|-------|----------|--------|---------|
| | | | | | | | |
| Haggerty, Harry, | Greenwich, | 99 | 35 | April | 24, 1910 | 1 year | \$52 50 |
| Haley, Clarence, | Mauicetown, | 269 | 14 | May | 1, 1910 | 1 year | 21 00 |
| Hand, Harrison, | Port Norris, | 229 | 16 | March | 31, 1910 | 1 year | 24 00 |
| Hand, Leonard C, | Port Norris, | 259 | 14 | March | 29, 1910 | 1 year | 21 00 |
| Hand, Wooduff, | Mays Landing, | 257 | 11 | May | 16, 1910 | 1 year | 16 50 |
| Hanners, John, | Newport, | 300 | 33 | Jan | 1, 1910 | 1 year | 49 50 |
| Hanners, McClellan, | Newport, | 206 | 14 | March | 30, 1910 | 1 year | 21 00 |
| Hannon, Otto, | Cedarville, | 98 | 7 | April | 28, 1910 | 1 year | 10 50 |
| Harrington, Gerald, | Port Norris, | 286 | 26 | April | 28, 1910 | 1 year | 39 00 |
| Harris, John W, Jr, | Leesburg, | 143 | 21 | April | 17, 1910 | 1 year | 24 00 |
| Harris, John W, Sr, | Leesburg, | 465 | 16 | March | 31, 1910 | 1 year | 31 50 |
| Harris, Wilham, | Port Norris, | 46 | 9 | April | 1, 1910 | 1 year | 13 50 |
| Hasher, Lummis, | Port Norris, | 265 | 8 | March | 25, 1910 | 1 year | 12 00 |
| Havens, Wilham E, | Millville, | 196 | 9 | April | 30, 1910 | 1 year | 13 50 |
| Henderson, Thomas, | Leesburg, | 13 | Tong | May | 24, 1910 | 1 year | 5 00 |
| Henderson, Wilham L, | Leesburg, | 8 | 17 | April | 1, 1910 | 1 year | 25 50 |
| Hickman, Isaac, | Port Norris, | 33 | 28 | Oct | 25, 1910 | 1 year | 42 00 |
| Hignut, Frank, | Port Norris, | 79 | 31 | April | 1, 1910 | 1 year | 46 50 |
| Hignut, Vincent, | Port Norris, | 405 | 16 | April | 29, 1910 | 1 year | 24 00 |
| Hiles, George S, | Haleyville, | 91 | 10 | April | 1, 1910 | 1 year | 15 00 |
| Hill, Wilham H, | Port Norris, | 47 | 16 | April | 1, 1910 | 1 year | 24 00 |
| Hillman, Charles, | Leesburg, | 57 | 34 | April | 22, 1910 | 1 year | 51 00 |
| Hinson, Arthur, | Mauicetown, | 171 | 32 | Sept | 5, 1910 | 1 year | 48 00 |
| Hinson, Harold E, | Mauicetown, | 403 | 15 | March | 31, 1910 | 1 year | 22 50 |
| Hoffman, Silas, | Port Norris, | 155 | 33 | April | 28, 1910 | 1 year | 49 50 |
| Hollinger, Wilham, | Leesburg, | 1 | 36 | Dec | 9, 1910 | 1 year | 54 00 |
| Hollinger, Harrison, | Port Norris, | 335 | 23 | May | 1, 1910 | 1 year | 34 50 |
| Holmes, Gilbert, | Pierces, | 858 | 17 | April | 24, 1910 | 1 year | 25 50 |
| Howell, Forrest, | Millville, | 293 | 25 | Jan | 1, 1910 | 1 year | 37 50 |
| Hunter, Aaron S, | Haleyville, | 216 | 10 | April | 1, 1910 | 1 year | 15 00 |
| Hunter, Wilham C, | Haleyville, | 3 | 15 | Sept | 1, 1910 | 1 year | 22 50 |
| Husted, Quincey, | Newport, | 118 | 21 | Sept | 30, 1910 | 1 year | 31 50 |
| Husted, Wilham, | Newport, | 133 | 18 | April | 1, 1910 | 1 year | 27 00 |
| Ingersoll, Chas M, | Dividing Creek, | 280 | 13 | March | 18, 1910 | 1 year | 19 50 |
| Inley, Vaughn L, | Bivalve, | 274 | 22 | April | 30, 1910 | 1 year | 33 00 |
| Jeffries, Robert, | Port Norris, | 328 | 14 | April | 27, 1910 | 1 year | 21 00 |
| Jenkins, Ephraim, | Newport, | 85 | 8 | April | 30, 1910 | 1 year | 12 00 |
| Jenkins, Wilham, | Dividing Creek, | 532 | Under | April | 30, 1910 | 1 year | 10 00 |
| Johnson, Charles W, | Newport, | 349 | 14 | March | 24, 1910 | 1 year | 21 00 |
| Johnson, Charles F, | Cedarville, | 71 | 18 | Nov | 1, 1910 | 1 year | 27 00 |
| Johnson, George W, | Green Creek, | 228 | 8 | April | 25, 1910 | 1 year | 12 00 |
| Johnson, Grover, | Newport, | 297 | 14 | March | 31, 1910 | 1 year | 21 00 |
| Joslin, Harrison, | Newport, | 69 | 30 | April | 1, 1910 | 1 year | 45 00 |
| Joslin, Zephaniah, Sr, | Newport, | 56 | 9 | March | 30, 1910 | 1 year | 13 50 |
| Joslin, Zephaniah, Jr, | Newport, | 53 | Under | April | 28, 1910 | 1 year | 10 00 |
| Ladlow, Sylvanus A, | Dividing Creek, | 365 | 8 | March | 15, 1910 | 1 year | 12 00 |
| Lake, John T, | Port Norris, | 165 | 23 | March | 29, 1910 | 1 year | 34 50 |
| Lake, Samuel C, | Port Norris, | 583 | 13 | April | 1, 1910 | 1 year | 19 50 |
| Land, Wilham H, | Port Norris, | 166 | 19 | April | 28, 1910 | 1 year | 28 50 |
| Leach, Wilham, | Greenwich, | 152 | 33 | April | 2, 1910 | 1 year | 49 50 |
| Lee, Daniel, | Leesburg, | 296 | 12 | March | 29, 1910 | 1 year | 18 00 |
| Lee, Frank, | Leesburg, | 258 | 10 | March | 31, 1910 | 1 year | 15 00 |
| Lee, Harry M, | Port Norris, | 207 | 24 | March | 28, 1910 | 1 year | 36 00 |
| Lee, Maurice R, | Port Norris, | 223 | 15 | April | 21, 1910 | 1 year | 22 50 |
| Lee, Samuel, | Leesburg, | 267 | 12 | March | 27, 1910 | 1 year | 18 00 |
| Lee, Steelman R, | Leesburg, | 221 | 33 | Jan | 1, 1910 | 1 year | 49 50 |
| Lee, Urah S, | Leesburg, | 344 | 14 | April | 8, 1910 | 1 year | 21 00 |
| Lilliston, Thomas, | Leesburg, | 139 | 10 | April | 13, 1910 | 1 year | 15 00 |
| Lodge, James, | Greenwich, | 121 | 27 | April | 24, 1910 | 1 year | 40 50 |
| Loper, Beriah, | Dividing Creek, | 21 | 35 | Jan | 2, 1910 | 1 year | 52 50 |
| Loper, Charles H, | Cedarville, | 148 | Under | April | 27, 1910 | 1 year | 10 00 |
| Lord, Harry, | Heislerville, | 163 | 9 | April | 1, 1910 | 1 year | 13 50 |
| Lore, Addie, | Newport, | 174 | 40 | April | 23, 1910 | 1 year | 60 00 |

DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

| NAME | ADDRESS | No | Tonn | Date | Term | Amount |
|----------------------|-----------------|-----|-------|----------------|--------|---------|
| | | | | | | |
| Lore, Gilbert, | Newport, | 52 | 20 | Jan 1, 1910 | 1 year | \$30 00 |
| Lore, Isaac, | Newport, | 62 | 21 | Nov 22, 1909 | 1 year | 31 50 |
| Lore, U S Grant, | Cedarville, | 37 | 27 | Jan 1, 1910 | 1 year | 40 50 |
| Lloyd, Albert G, | Port Norris, | 530 | 9 | April 4, 1910 | 1 year | 13 50 |
| Loyd, George, | Heislerville, | 400 | 16 | March 29, 1910 | 1 year | 24 00 |
| Lloyd, John, | Dividing Creek, | 271 | 9 | April 29, 1910 | 1 year | 13 50 |
| Ludlam, Henry, | Pierces, | 385 | Under | April 30, 1910 | 1 year | 10 00 |
| Lynch, Philip, | Camden, | 319 | 27 | March 23, 1910 | 1 year | 40 50 |
| McClam, Chas G, | Leesburg, | 87 | 23 | Jan 1, 1910 | 1 year | 34 50 |
| McDaniels, Howard, | Leesburg, | 354 | 13 | April 1, 1910 | 1 year | 19 50 |
| McDaniels, John, | Port Norris, | 588 | 21 | April 29, 1910 | 1 year | 31 50 |
| McDaniels, Willard, | Port Norris, | 289 | 12 | April 28, 1910 | 1 year | 18 00 |
| Meerwald Augustus J, | Dennsville, | 204 | 27 | April 30, 1910 | 1 year | 40 50 |
| Meiler, John, | Camden, | 108 | 24 | April 30, 1910 | 1 year | 36 00 |
| Mints, Howard F, | Dividing Creek, | 109 | Under | April 20, 1910 | 1 year | 16 00 |
| Moffett, James, | Camden, | 45 | 25 | April 1, 1910 | 1 year | 37 50 |
| Moore, Charles, | Port Norris, | 197 | 8 | April 24, 1910 | 1 year | 12 00 |
| Moore, Hamilton, | Cedarville, | 102 | 32 | April 30, 1910 | 1 year | 48 00 |
| Moore, Isaac, | Dividing Creek, | 233 | Under | April 26, 1910 | 1 year | 10 00 |
| Moore, Judson, | Port Norris, | 63 | 14 | March 31, 1910 | 1 year | 21 00 |
| Moore, Oscar, | Port Norris, | 9 | 25 | April 3, 1910 | 1 year | 37 50 |
| Moore, Samuel K, | Fairton, | 129 | 23 | April 30, 1910 | 1 year | 34 50 |
| Moore, Thomas, | Port Norris, | 17 | 40 | March 18, 1910 | 1 year | 60 00 |
| Moore, William S, | Cedarville, | 175 | 7 | May 9, 1910 | 1 year | 10 50 |
| Morris, Thomas E, | Greenwich, | 94 | 45 | March 25, 1910 | 1 year | 67 50 |
| Mulford, Mahln, | Fairton, | 124 | 10 | April 30, 1910 | 1 year | 15 00 |
| Mulford, Ralph J, | Cedarville, | 10 | 21 | April 1, 1910 | 1 year | 31 50 |
| Newcomb, Adran B, | Newport, | 377 | 25 | March 29, 1910 | 1 year | 37 50 |
| Newcomb, Daniel L, | Port Norris, | 20 | 12 | March 25, 1910 | 1 year | 18 00 |
| Newcomb, Edwaid, | Greenwich, | 35 | 35 | March 26, 1910 | 1 year | 52 50 |
| Newcomb, Geo M D, | Newport, | 317 | 30 | March 22, 1910 | 1 year | 45 00 |
| Newcomb, Geo W C, | Newport, | 306 | 33 | Sept 17, 1910 | 1 year | 49 50 |
| Newcomb, Lewis B, | Cedarville, | 475 | 10 | March 26, 1910 | 1 year | 15 00 |
| Newcomb, Oln W, | Port Norris, | 252 | 22 | April 13, 1910 | 1 year | 33 00 |
| Newcomb, Theophilus, | Port Norris, | 97 | 18 | March 25, 1910 | 1 year | 27 00 |
| Newcomb, William B, | Newport, | 26 | 43 | April 2, 1910 | 1 year | 64 50 |
| Nicholson, Henry C, | Port Norris, | 144 | 41 | Feb 17, 1910 | 1 year | 61 50 |
| Nickerson, Harry C, | Port Norris, | 376 | 11 | March 31, 1910 | 1 year | 16 50 |
| Ogden, Columbus, | Cedarville, | 209 | 33 | March 28, 1910 | 1 year | 49 50 |
| O'Hara, Harry, | Port Norris, | 140 | 14 | March 30, 1910 | 1 year | 21 00 |
| O'Neil, Robert, | Port Norris, | 187 | 18 | March 31, 1910 | 1 year | 27 00 |
| Orr, John H, | Dividing Creek, | 92 | 27 | April 20, 1910 | 1 year | 40 50 |
| Orr, Mark, | Dividing Creek, | 351 | 10 | March 22, 1910 | 1 year | 15 00 |
| Pashley, Charles, | Dividing Creek, | 64 | 15 | March 22, 1910 | 1 year | 22 50 |
| Pepper, Frank, | Port Norris, | 406 | 16 | April 1, 1910 | 1 year | 24 00 |
| Pepper, Jacob, | Dividing Creek, | 6 | 21 | April 3, 1910 | 1 year | 31 50 |
| Perry, David, | Bivalve, | 305 | 22 | May 4, 1910 | 1 year | 33 00 |
| Perry, William, | Port Norris, | 19 | 19 | April 13, 1910 | 1 year | 28 50 |
| Peterson, Charles S, | Newport, | 55 | 21 | April 3, 1910 | 1 year | 31 50 |
| Peterson, Geo C, | Newport, | 255 | 28 | Sept 17, 1910 | 1 year | 42 00 |
| Peterson, Geo S, | Newport, | 399 | Under | April 30, 1910 | 1 year | 10 00 |
| Peterson, James, | Port Norris, | 318 | 21 | April 3, 1910 | 1 year | 31 50 |
| Peterson, John C, | Greenwich, | 200 | 40 | April 3, 1910 | 1 year | 60 00 |
| Peterson, William B, | Port Norris, | 316 | 25 | Sept 15, 1910 | 1 year | 37 50 |
| Petit, Charles, | Bivalve, | 48 | Under | April 28, 1910 | 1 year | 10 00 |
| Pew, Frank, | Greenwich, | 336 | 24 | April 18, 1910 | 1 year | 36 00 |
| Phillips, George P, | Port Norris, | 375 | 24 | April 30, 1910 | 1 year | 36 00 |
| Pickering, Geo, | Greenwich, | 298 | 36 | March 19, 1910 | 1 year | 54 00 |
| Pierce, John, | Dorchester, | 310 | 15 | March 31, 1910 | 1 year | 22 50 |
| Pierce, William H, | Dorchester, | 451 | 8 | April 23, 1910 | 1 year | 12 00 |
| Polhamus, Benage F, | Leesburg, | 131 | 14 | April 29, 1910 | 1 year | 21 00 |
| Polhamus, Jos G, | Vineland, | 203 | 24 | March 28, 1910 | 1 year | 36 00 |
| Polhamus, Zebulon, | Leesburg, | 159 | 12 | April 30, 1910 | 1 year | 18 00 |

 DELAWARE BAY AND MAURICE RIVER COVE BOAT
 LICENSES—Continued

| NAME | ADDRESS | No | Tonn | Date | Term | Amount |
|----------------------|-----------------|-----|-------|----------------|--------|---------|
| | | | | | | |
| Polhamus, Wilham, | Leesburg, | 93 | 18 | April 30, 1910 | 1 year | \$27 00 |
| Rahi, David, | Bricksboro, | 388 | 12 | April 7, 1910 | 1 year | 18 00 |
| Randolph, Andrew, | Port Norris, | 314 | 14 | April 14, 1910 | 1 year | 21 00 |
| Randolph, Geo W, | Leesburg, | 416 | 19 | March 26, 1910 | 1 year | 28 50 |
| Read, John, | Port Norris, | 167 | 14 | April 1, 1910 | 1 year | 21 00 |
| Riggin, Chas M, | Port Norris, | 251 | 18 | April 1, 1910 | 1 year | 27 00 |
| Riggin, Edward M, | Port Norris, | 394 | 14 | April 2, 1910 | 1 year | 21 00 |
| Riggin, Walter C, | Port Norris, | 2 | 33 | April 1, 1910 | 1 year | 49 50 |
| Robbins, Clarence M, | Port Norris, | 60 | 33 | April 28, 1910 | 1 year | 49 50 |
| Robbins, David, Jr, | Port Norris, | 237 | 23 | April 1, 1910 | 1 year | 34 50 |
| Robbins, David, Sr, | Port Norris, | 172 | 35 | March 28, 1910 | 1 year | 52 50 |
| Robbins, Edward C, | Port Norris, | 125 | 16 | April 7, 1910 | 1 year | 24 00 |
| Robbins, Frank, | Port Norris, | 366 | 16 | March 31, 1910 | 1 year | 24 00 |
| Robbins, Geo, | Port Norris, | 50 | 26 | April 1, 1910 | 1 year | 39 00 |
| Robbins, Levi, | Port Norris, | 345 | 18 | April 8, 1910 | 1 year | 27 00 |
| Robbins, Silas, | Dividing Creek, | 58 | 13 | March 31, 1910 | 1 year | 19 50 |
| Robbins, Walter, | Dividing Creek, | 67 | 9 | April 26, 1910 | 1 year | 13 50 |
| Robinson, Edgar, | Dennsville, | 516 | 11 | March 30, 1910 | 1 year | 16 50 |
| Rocks, William, | Camden, | 559 | 48 | April 26, 1910 | 1 year | 72 00 |
| Rowley, Bates L, | Port Norris, | 202 | 10 | March 29, 1910 | 1 year | 15 00 |
| Sayre, Geo, | Bivalve, | 352 | 18 | April 1, 1910 | 1 year | 27 00 |
| Scott, Benoni, | Newport, | 581 | Under | April 30, 1910 | 1 year | 10 00 |
| Sears, William, | Newport, | 208 | 10 | March 31, 1910 | 1 year | 15 00 |
| Sharp, Albert R, | Haleyville, | 27 | 10 | April 1, 1910 | 1 year | 15 00 |
| Sharp, Halleck, | Dorchester, | 106 | 27 | April 1, 1910 | 1 year | 40 50 |
| Sharp, John F, | Port Norris, | 315 | 21 | March 22, 1910 | 1 year | 31 50 |
| Sharp, John W, | Leesburg, | 418 | 13 | March 26, 1910 | 1 year | 19 50 |
| Sharp, Walter L, | Port Norris, | 164 | 18 | April 12, 1910 | 1 year | 27 00 |
| Sharp, Zadok, Jr, | Leesburg, | 107 | 35 | April 5, 1910 | 1 year | 52 50 |
| Sharp, Zadok, Sr, | Leesburg, | 141 | 10 | Dec 8, 1909 | 1 year | 15 00 |
| Sharp, Zadok, Sr, | Leesburg, | 181 | 45 | April 30, 1910 | 1 year | 67 50 |
| Sharpless, John P, | Leesburg, | 468 | 25 | March 30, 1910 | 1 year | 31 50 |
| Shaw, Howard, | Dorchester, | 153 | 25 | April 4, 1910 | 1 year | 37 50 |
| Sheppard, Lewis F, | Cedarville, | 23 | 32 | Nov 13, 1910 | 1 year | 48 00 |
| Sheppard, S Ware, | Newport, | 86 | 43 | Oct 23, 1910 | 1 year | 64 50 |
| Shropshire, Edward, | Haleyville, | 122 | 32 | April 11, 1910 | 1 year | 48 00 |
| Shull, Bnton S, | Dividing Creek, | 192 | 7 | April 22, 1910 | 1 year | 10 50 |
| Shull, Howard B, | Dividing Creek, | 346 | 11 | April 7, 1910 | 1 year | 16 50 |
| Shull, John L, | Newport, | 74 | 24 | April 1, 1910 | 1 year | 36 00 |
| Shull, Roscoe, | Port Norris, | 272 | 16 | March 27, 1910 | 1 year | 24 00 |
| Simms, Benjamin, | Cedarville, | 95 | 15 | April 8, 1910 | 1 year | 22 50 |
| Simpkins, Thomas, | Cedarville, | 127 | 14 | March 27, 1910 | 1 year | 21 00 |
| Smith, Asa C, | Leesburg, | 149 | 13 | April 15, 1910 | 1 year | 19 50 |
| Smith, Henry, | Newport, | 215 | 33 | March 22, 1910 | 1 year | 49 50 |
| Smith, Seth, | Leesburg, | 302 | 14 | March 31, 1910 | 1 year | 21 00 |
| Snell, Warrie H, | Port Norris, | 114 | 10 | April 1, 1910 | 1 year | 15 00 |
| Sockwall, Henry, | Port Norris, | 161 | 42 | April 15, 1910 | 1 year | 63 00 |
| Spencer, Elmer, | Newport, | 290 | Under | March 28, 1910 | 1 year | 10 00 |
| Spiker, David, | Port Elizabeth, | 321 | 8 | April 29, 1910 | 1 year | 12 00 |
| Squarewood, Chas, | Buchahutum, | 278 | 11 | April 30, 1910 | 1 year | 16 50 |
| Stiles, H J, | Belle Plain, | 217 | 15 | April 5, 1910 | 1 year | 22 50 |
| Stites, Gilbert, | Dragton, | 214 | 12 | April 1, 1910 | 1 year | 18 00 |
| Stutes, Nathan, | Dorchester, | 320 | 16 | March 25, 1910 | 1 year | 24 00 |
| Sutter, Harry, | Port Norris, | 231 | 10 | April 30, 1910 | 1 year | 15 00 |
| Sutter, Jacob, | Port Norris, | 78 | 10 | April 1, 1910 | 1 year | 15 00 |
| Sutter, John, | Port Norris, | 146 | 13 | April 3, 1910 | 1 year | 19 50 |
| Sutter, William, | Port Norris, | 330 | 15 | April 30, 1910 | 1 year | 22 50 |
| Sutton, Clarence M, | Bridgeton, | 30 | 25 | March 19, 1910 | 1 year | 37 50 |
| Sutton, Ernest, | Bridgeton, | 283 | 25 | March 26, 1910 | 1 year | 37 50 |
| Sutton, Harry W, | Leesburg, | 162 | 14 | March 31, 1910 | 1 year | 21 00 |
| Swank, David, | Bivalve, | 83 | Under | April 24, 1910 | 1 year | 10 00 |
| Swng, Leonard, | Fairton, | 15 | 24 | April 18, 1910 | 1 year | 36 00 |
| Tarburton, Elmer, | Greenwich, | 29 | 41 | April 20, 1910 | 1 year | 61 50 |

DELAWARE BAY AND MAURICE RIVER COVE BOAT
LICENSES—Continued

| NAME | ADDRESS | No | Tonn | Date | Term | Amount |
|----------------------|-----------------|-----|-------|----------------|--------|---------|
| | | | | | | |
| Taylor, Osborne D, | Port Norris, | 264 | Under | April 29, 1910 | 1 year | \$10 00 |
| Terry, George N., | Dividing Creek, | 76 | | Oct 6, 1910 | 1 year | 33 00 |
| Terry, William F, | Port Norris, | 485 | | April 16, 1910 | 1 year | 28 50 |
| Townsend, Stacy, | Leesburg, | 65 | | April 28, 1910 | 1 year | 16 50 |
| Tozour, Charles, | Deimont, | 230 | | March 28, 1910 | 1 year | 18 00 |
| Tubman, Oscar, | Dividing Creek, | 123 | Under | April 23, 1910 | 1 year | 10 00 |
| Turner, Charles, | Newport, | 134 | | March 22, 1910 | 1 year | 39 00 |
| Turner, Leaming, | Dividing Creek, | 288 | | April 1, 1910 | 1 year | 43 50 |
| Turpin, Howard, | Haleyville, | 391 | | March 28, 1910 | 1 year | 18 00 |
| Tweed, John, | Greenwich, | 72 | | April 12, 1910 | 1 year | 67 50 |
| Vail, Jeremiah, | Dividing Creek, | 193 | Under | April 23, 1910 | 1 year | 10 00 |
| Vail, William A, | Bridgeton, | 224 | | April 21, 1910 | 1 year | 40 50 |
| Vail, William, Jr, | Dividing Creek, | 101 | | April 1, 1910 | 1 year | 10 50 |
| VanVliet, Wilham, | Newport, | 436 | | April 1, 1910 | 1 year | 15 00 |
| Veal, Wilham, | Dividing Creek, | 12 | | Oct. 16, 1910 | 1 year | 31 50 |
| Wallen, David, | Farrton, | 24 | | March 25, 1910 | 1 year | 27 00 |
| Wallen, Henry, | Farrton, | 340 | | March 30, 1910 | 1 year | 30 00 |
| Walls, George, | Camden, | 287 | | March 19, 1910 | 1 year | 24 00 |
| Warren, Harry, | Bridgeton, | 100 | | Nov 21, 1910 | 1 year | 64 50 |
| Welden, Edward, | Newport, | 173 | | March 19, 1910 | 1 year | 34 50 |
| Welden, William H, | Newport, | 211 | | April 1, 1910 | 1 year | 31 50 |
| Westcott, George H, | Farrton, | 145 | | April 1, 1910 | 1 year | 27 00 |
| Westcott, Lewis, | Cedarville, | 561 | | April 1, 1910 | 1 year | 49 50 |
| Whilden, Clarence, | Mauricetown, | 113 | | April 1, 1910 | 1 year | 27 00 |
| Whilden, Frazeur, | Leesburg, | 54 | | Oct 18, 1910 | 1 year | 28 50 |
| Whilden, John H, | Farrton, | 378 | | April 12, 1910 | 1 year | 16 50 |
| Whilden, Somers H, | Mauricetown, | 40 | | March 28, 1910 | 1 year | 46 50 |
| Williams, Whitfield, | Heislerville, | 412 | | March 26, 1910 | 1 year | 24 00 |
| Willing, Marion C, | Bivalve, | 245 | | April 28, 1910 | 1 year | 60 00 |
| Windfohr, Arthur, | Bivalve, | 112 | | April 28, 1910 | 1 year | 19 50 |

Raritan Bay Boat Licenses.

| NAME | ADDRESS | No | Tonn | Date | Term | Amount. |
|--------------------|----------|-------------|-------|--------------|--------|---------|
| | | | | | | |
| Hammer, James L, | Keyport, | 6-7-8 | Tong | July 6, 1910 | 1 year | \$15 00 |
| Maurer, Wilham, | Keyport, | 37-38-39 | Tong | July 6, 1910 | 1 year | 15 00 |
| Maurer, Wilham, | Keyport, | 23 | 14 | July 6, 1910 | 1 year | 21 00 |
| Post, Fred E, | Keyport, | 64 | Under | Dec 7, 1909 | 1 year | 10 00 |
| Woolley, Wilham E, | Keyport, | 32-33-34-35 | Tong | July 6, 1910 | 1 year | 20 00 |
| Woolley, Wilham E, | Keyport, | 41 | 18 | July 6, 1910 | 1 year | 27 00 |

Respectfully submitted,

CHAS. R BACON,

Chief of Bureau

New Laws.

CHAPTER 97.

A Further Supplement to an act entitled "An act for the preservation of clams and oysters," approved April fourteenth, one thousand eight hundred and forty-six.

BE IT ENACTED by the Senate and General Assembly of the State of New Jersey

1. It shall be the duty of the Board of Health of the State of New Jersey annually, or oftener if said board shall deem it necessary, to inspect, or cause to be inspected, the various oyster and clam beds and other places within the State of New Jersey from which oysters and clams are taken to be marketed and sold for consumption of food, for the purpose of ascertaining the sanitary conditions of such oyster and clam beds and other places, and the fitness of the oysters and clams in such places, or which are taken therefrom, for use as articles of food. The said Board of Health of the State of New Jersey shall keep, or cause to be kept, an official record of each inspection so made, and shall, as soon as possible thereafter, issue certificates, setting forth the result of such inspection, to the owners, lessees or proprietors of such oyster or clam beds, or other places

Inspection
of clam and
oyster beds

Record of
inspection

2 Any person who shall gather with intent to sell for food any oysters or clams from oyster beds or clam beds or any other place within the jurisdiction or forming a part of the State of New Jersey, which have been condemned by said board, in accordance with section one of this act, shall be liable to a penalty of one hundred dollars, to be recovered in an action of debt by and in the name of the Board of Health of the State of New Jersey

3 This act shall take effect immediately.

Approved April 6, 1910.

CHAPTER 70.

An Act to repeal section ten of an act entitled "An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Ocean, in the State of New Jersey," approved March twenty-sixth, one thousand nine hundred and two, and section one of an act entitled "An act to amend an act entitled 'An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Ocean, in the State of New Jersey,' approved March twenty-sixth, one thousand nine hundred and two," approved April fourteenth, one thousand nine hundred and three

BE IT ENACTED *by the Senate and General Assembly of the State of New Jersey*

The following acts and parts of acts are hereby repealed:

1 Section ten of an act entitled "An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Ocean, in the State of New Jersey," approved March twenty-sixth, one thousand nine hundred and two

2 Section one of an act entitled "An act to amend an act entitled 'An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Ocean, in the State of New Jersey,' approved March twenty-sixth, one thousand nine hundred and two," approved April fourteenth, one thousand nine hundred and three

3 This act shall take effect immediately
Approved April 1, 1910

Section 10
repealed

Section 1
repealed

CHAPTER 241.

An Act to repeal a portion of an act entitled "An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Atlantic, in the State of New Jersey," approved March thirtieth, one thousand nine hundred and five.

BE IT ENACTED *by the Senate and General Assembly of the State of New Jersey*

1 Section ten of the act referred to in the title of this act be and the same is hereby repealed Section 10
repealed

2 This act shall take effect immediately.
Approved April 11, 1910.

CHAPTER 245.

An Act to amend an act entitled "An act for the better regulation and control of the taking, planting and cultivating of oysters and clams on lands lying under the tidal waters of the county of Atlantic, in the State of New Jersey," approved March thirtieth, one thousand nine hundred and five

BE IT ENACTED *by the Senate and General Assembly of the State of New Jersey*

1 Section twenty-one of the act to which this act is amendatory be and the same is hereby amended to read as follows: Section 21
amended

21 No person or persons other than the lessee or lessees thereof, without the consent of such lessee or lessees first had and obtained, shall go upon, tong, dredge, take or remove any shell-fish whatsoever, soil or other material from the surface of the grounds or lands leased as hereby provided lying under said tidal waters, nor interfere with the possession and use of said grounds or lands by the said lessee or lessees, and no person or persons shall pass, throw or use a dredge upon any of the unleased oyster grounds of this State under the tidal waters of the county of Atlantic; *pro-* Exclusive
rights in
leased lands

Proviso

vided, that any person or persons holding planted oyster ground or land leased from said State Oyster Commission may dredge upon his, her or their own leased ground or land.

Approved April 11, 1910.

CHAPTER 244.

An Act regulating and controlling the taking, planting, propagating and cultivating of oysters and clams on lands lying under the tidal waters of certain portions of the Tuckahoe, Middle and Great Egg Harbor rivers and Patcong creek and other tributaries of the Tuckahoe, Middle and Great Egg Harbor rivers, which portions lie, however, within the boundaries of Atlantic county, in the State of New Jersey

BE IT ENACTED by the Senate and General Assembly of the State of New Jersey

Lands that may be leased

1 The State Oyster Commission having control of such land lying under the tidewaters of such portions of the Tuckahoe river and tributaries thereof as shall lie within the boundaries of Atlantic county, of Middle river and the tributaries thereof and of Great Egg Harbor river, and the tributaries thereof, above a line drawn from a point on the southwest side of Tuckahoe river known as Broad Reach point, thence northeasterly to a point in Great Egg Harbor river on the northwest bank thereof, opposite the upper point of Upper Nuckerson Island, thence southeasterly across Great Egg Harbor river to Hughes Point and of Patcong creek in Atlantic county above or northwardly from a line drawn from South Point on the west bank to the southerly point of Doles Island in said creek, shall have power and are hereby directed to lease to applicants thereof any of the lands of the State lying under the above sections of the aforesaid tidal waters; said lands so leased to be exclusively enjoyed by such lessee for the taking, planting, propagating and cultivating of oysters, the provisions of any act of the Legislature of New Jersey relating to or respecting the regulation and control of the taking, planting, propagating and culti-

vating of oysters and clams on lands lying under the above portions of said tidal waters to the contrary notwithstanding; said leases, however, to be issued under and subject to the following conditions and limitations, to wit:

Conditions of leases

(a) No lease shall be for a period exceeding ten years, but each lessee, however, shall have the right to one renewal of his lease for a period not exceeding ten years and any one person shall have leased to him under the terms of this act but one plot containing not more than five acres and not less than two acres each, nor shall any lease be for a plot of ground containing more than five acres of such grounds. Acres leased shall be contiguous

Time and acreage

(b) There shall be charged and paid for such lease an annual rental of three dollars per acre for each of the first three years and five dollars per acre for each succeeding year, payable for the first year when lease is granted and for each succeeding year within thirty days (30) after the beginning of said year, and in case of the failure to pay said rental, such lease shall be forfeited and void and such lands shall again be leased as hereby provided for; provided, however, that no lease shall be forfeited by failure to perform any conditions required by this act until said Commission shall have first given the lessee an opportunity to be heard thereon after notice as hereinafter provided for

Rental

Proviso

(c) In case any lessee fails to plant, work or otherwise improve the grounds leased within one year from the date of such lease, or fails, neglects or refuses to plant, work or otherwise improve the grounds leased for two consecutive years at any time during the continuance of said lease, then such lease shall become forfeited and void and such lands be again leased as hereby provided for.

Forfeiture of lease for cause

(d) No lands so leased or any part thereof shall be sublet by the lessee and no lease shall be made to any person not a resident of the State of New Jersey for at least one year prior to such leasing. Violations of this section shall constitute a forfeiture of such lease

No subletting

(e) Nothing in this act shall be construed to give said Commissioners any jurisdiction or control over any lands to which the riparian grant has been made by the Riparian Commissioners of this State.

No control of riparian lands.

Sale of leases
of unclaimed
grounds after
three years

2 After a lapse of three years from the date of the approval of this act, if any of such grounds are not leased by said Commissioners, it shall be lawful for, and the said Commissioners and the State oyster superintendent are hereby authorized to advertize a sale by auction of the leases for remaining lands in plots of not more than ten acres, for the best price per year as may be bid therefor. Said lease to be for similar terms with privilege of renewal as provided in section one of this act. Said advertisements to consist of notices set up in ten public places in said county at least thirty days prior to the date fixed for said auction and published in two newspapers printed and published in the county in which such lands lie, at least once in each week for four weeks prior to said auction.

Fishery rights
protected

3 Nothing herein shall be construed so as to modify, change or interfere with any right of fishing in said tidal waters and no such lease shall abrogate or destroy any such fishing right now existent and upon which taxes are now paid. This act shall in no way affect leases heretofore made under the laws of this State for lands to be used for the planting of oysters and no lease made for such planting grounds to any person shall prevent such person from securing leases under this act.

Laws appli-
cable

4 The provisions of the laws of the State respecting the State Oyster Commission and State oyster superintendent now established in Atlantic county, respecting and relating to the giving of notice of intended forfeiture grounds, measuring, locating and mapping of leased grounds, recording of leases, form of application, payment of rentals to the State, arrest for violations of the provisions of this act, shall apply to the proceedings and acts required and permitted to be done by this act when not inconsistent with the provisions hereof, and the provisions of this act shall be applicable to all lands under the sections of the tidal waters first herein set forth, notwithstanding the setting apart heretofore of any such lands or part thereof as public clam grounds. Every applicant shall deposit with his application such sum not exceeding the rental thereof as the State Oyster Commission shall determine, and if the applicant fails to accept such lease such sum so

Deposit by
applicant

deposited shall be applied to the payment of costs of surveying and locating tract applied for.

5 No person other than the lessee thereof without the consent of such lessee shall go upon, tong, dredge, take or remove any shell-fish whatsoever, soil or other materials from the surface of the beds or lands leased as hereby provided, lying beneath said tidal waters, nor interfere with the possession and use of said lands by said lessee.

Exclusive
rights to
leased
grounds

And any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine not exceeding one thousand dollars, or imprisonment in the State Prison not exceeding five (5) years, or both, at the discretion of the court.

Penalty for
violation

6 This act shall take effect immediately
Approved April 11, 1910

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