

974.901

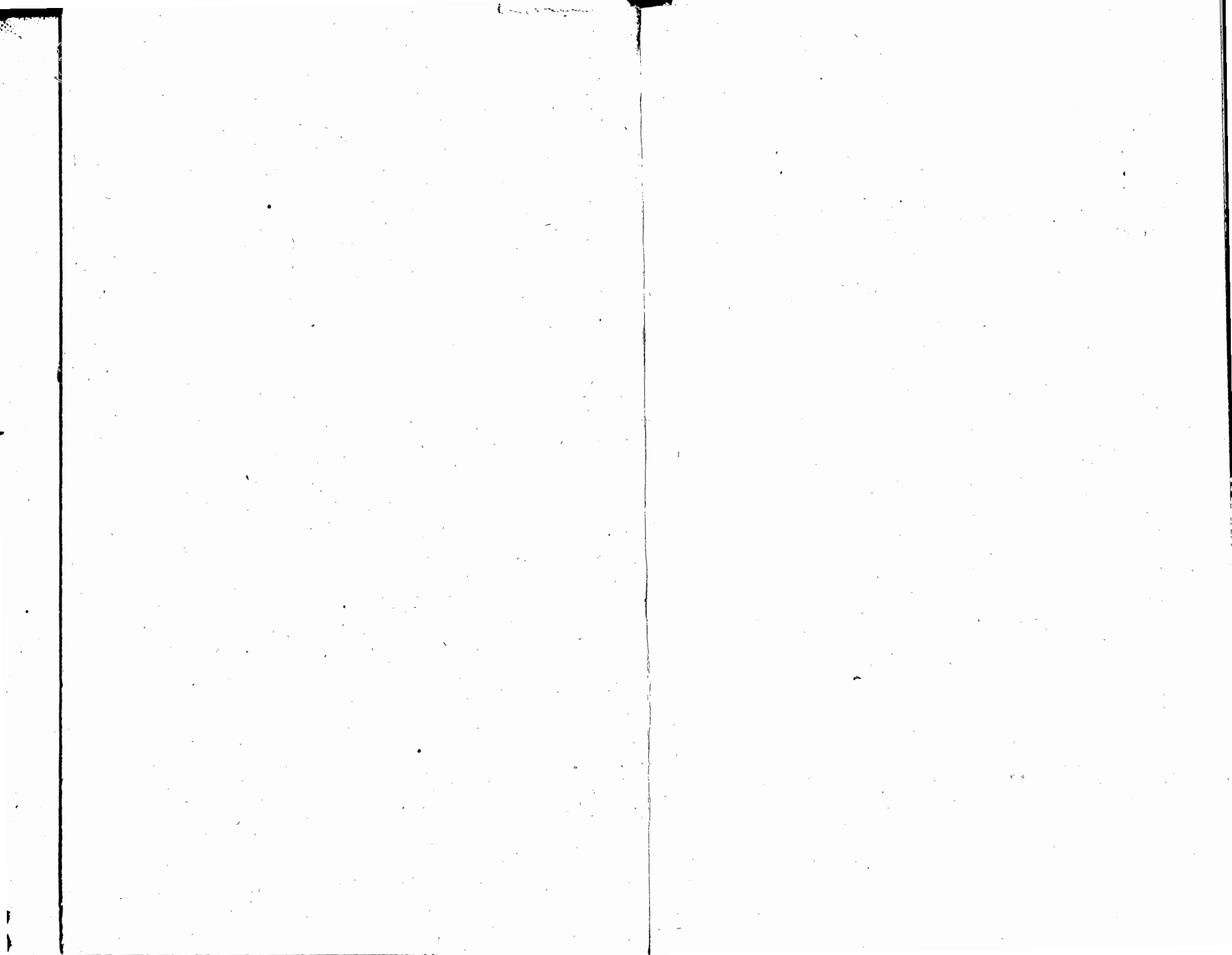
S33

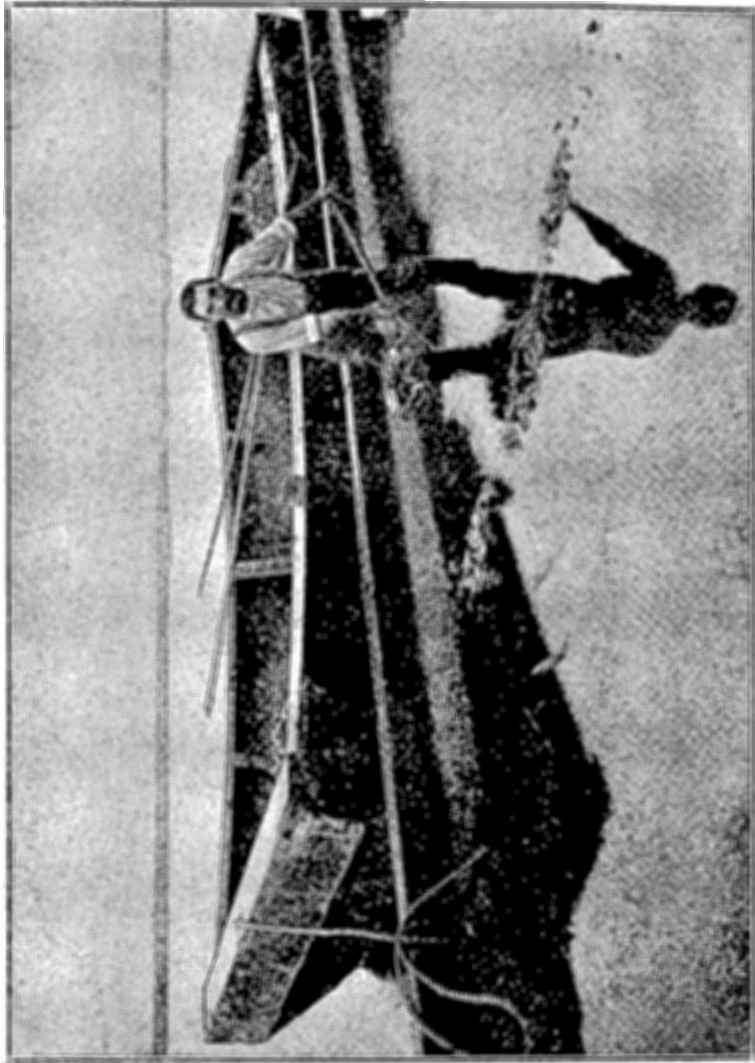
PROPERTY OF THE
STATE LIBRARY
OF NEW JERSEY.

NEW JERSEY STATE LIBRARY



3 3009 00558 6237





TAKING UP OYSTERS FRESHENED ON A FLOAT.

STATE OF NEW JERSEY

REPORT

OF THE

Bureau of Shell Fisheries

For the Year Ending October 31st

1909

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 COMMISSION FOR THE SHARK RIVER DISTRICT.

SOMERVILLE, N. J.
THE UNIONIST-GAZETTE PRINTING HOUSE.
1910.

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.

COMMISSIONERS.

EDMUND STITES, JR., *Chairman*, Port Norris.
WILLIAM DeGROFF, Keyport.
ERNEST L. MULFORD, Cedarville.
WILLIAM SHILLINGSBURG, Camden.

SUPERINTENDENT AND SECRETARY.

ALONZO T. BACON, Mauricetown.

SUPERVISING ENGINEER.

SAMUEL M. SHELDON, Millville.

SPECIAL OFFICER AND PILOT OF STEAM GUARD BOAT "CYPHER."

GEORGE C. BELL, Newport.

CAPTAINS OF GUARD BOATS.

JAMES BOYLE, Millville, Schooner "Lelia Boyle."
J. HAMMITT LAKE, Port Norris, Schooner, "Infanta."

Office of Commission, Maurice River.
Days of Meeting, first Saturday in each month.

District of Ocean County.

COMMISSIONERS.

PHILIP R. SPRAGUE, *President*, West Creek.
LORENZO D. ROBBINS, *New Gretna*.
JESSE GRANT, *Bayville*.

SUPERINTENDENT AND SECRETARY.

E. A. HORNER, JR., *Tuckerton*.

Office of Commission, Beacon Building, Tuckerton.
Days of meeting, first Saturday in each month.

District of Atlantic County.

HARRY H. POSTOLL, *President*, Atlantic City.
ISAAC SMALLWOOD, *Secretary*, Port Republic.
R. M. SOOY, M. D., *Atlantic City*.

SUPERINTENDENT.

ALFRED B. SMITH, *Brigantine, N. J.*

Office of Commission, Real Estate and Law Building, Atlantic City.
Day of Meeting, first Friday in each month.

Shark River District.

A. FRANK BENNETT, JR., *Commissioner*.

Office of Commission, Avon.

Report of Bureau of Shell Fisheries:

To the Honorable John Franklin Fort, Governor:

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

The year past has been one of great prosperity to our industry and considerably better than any for a decade or more. With a few exceptions hereafter noted the laws have been carefully observed and the operation of the State control has been eminently satisfactory. You will observe in the reports from the several sections the exceptions to this rule, which, however, are worthy of careful attention.

A noticeable example of dissatisfaction with existing law comes from Atlantic and Ocean counties, where a number of oystermen refused to take out and pay for licenses for tonging on the natural beds. As a result of this refusal the Commission for each of these counties caused the arrest of a number of these men and they were indicted by the Atlantic County Grand Jury for the October term. Although they had no licenses they insisted upon going upon the beds of Great Bay at the opening of the season on October 1st, to tong for oysters as usual. The contention of these men is that the State has pledged itself to provide shells for the natural beds, but having failed to keep that pledge the beds were valueless, and there is no reason why a fee should be charged for a license. The State, of course, never made any such pledge, nor with our knowledge has anyone officially connected with any of our commissions or with this Bureau given any inference of such a pledge. The State receded from the policy of providing shells because a large number

of those directly interested in the oyster industry believed the policy was wrong in principle as we have pointed out in previous reports, and as we have endeavored to show at every opportunity. Nothing has been provided to take the place of this abandoned policy. Of course, the grievance of the oystermen is, that the State should not charge a license fee for tonging on grounds which produce nothing, and this brings the whole subject of the care of these beds to a crisis once more. We have discussed it in our reports and endeavored to obtain legislation looking to its solution, but without result.

We contend that some step should be taken by legislation to utilize the vast acreage of land under water for the cultivation of seed oysters. Under existing conditions no man has any assurance of protection in the planting of shells to get a catch of seed. With some purpose and enterprise one might plant a large barren area with shells as an experiment, and realize handsomely in a heavy catch of spat, but once the catch was obtained that bed would be open to any citizen of this State to do with it what he pleased at the opening of the season for catching seed. The man who invested his money in the experiment would have absolutely no protection in harvesting his crop. It is the general belief of nearly all the members of our several Commissions that it would be wise and for the best interests of all concerned to lease these grounds and give them proper protection for the planting of shells. There is no question in the minds of those most closely identified with the industry and who have its best interests at heart, but that this system would yield magnificent results both for the State and for the people directly affected in these districts. The supreme difficulty in the way of accomplishing these results is the violent opposition of the oystermen themselves. The fear that they have is that persons with large capital and influence would be able practically to monopolize these seed bearing areas by taking out a lease for nearly all the acreage.

In a bill this Bureau had introduced in the last session of the Legislature, after careful consideration and long conferences with the members of the Commissions, made specific provision against any such chances. The bill restricted the number of acres that might be leased by any one person to five, and made the price of the lease so low as to come within the reach of the poorest oysterman. The bill seemed eminently fair and proper, aiming as it did, to the

correction of an existing condition which is well nigh intolerable and absolutely wrong. Opposition to the measure was so pronounced, however, that it was withdrawn at the request of the representatives from Ocean and Atlantic counties, a large number of whose constituents appealed to them to strongly oppose it. We had hoped to get most of the oystermen of those sections in favor of the proposition, and with that end in view have issued letters to every individual within reach and have given wide publicity to the actual facts surrounding that and accompanying measures. Our information is to the effect that some of these oystermen have been converted to the idea that the leasing of the natural grounds would be proper and right under restrictions, but it seems that the majority of those who gain a precarious livelihood from tonging the seed are still opposed to it.

Our efforts will be directed toward getting them into a condition of mind that will permit the enactment of such a law. It must come sometime, unless the State returns to the idea of providing shells for these natural beds, a costly, unsatisfactory and wholly inadequate expedient. We trust that you will see your way clear toward assisting the enactment of the law as proposed.

Another bill introduced at the last session at the request of this Bureau provided for the change of season for the catching of seed oysters in the districts of Atlantic and Ocean counties. The season now opens October 1st. It was proposed to change that to April 1st. The object of this proposed change was wholly the interest of the industry of those sections. The bill represented the sentiment of the majority of the two commissions for those districts, and also a large number of the oystermen themselves. It was discussed in our last annual report, and we have gone over it thoroughly with the commissioners and some of the oystermen, but that measure also encountered such opposition as to make its withdrawal advisable. That it is correct there can be no question. The season as it now stands operates directly against the interests of the oystermen themselves. Our oysters spawn in July and August; sometimes under proper weather conditions, into September, but never after September 15th. As the season opens October 1st, this spawn which has spat almost immediately, has but little or no opportunity for development. Much of it, we might say the majority of it, is spoiled for all future use by the tonging process. A small percentage remains to grow on the beds for next year's catch and another

small percentage is taken up for transplanting. It has had such poor chances for development that the handling kills it, and a very small portion survives on being transplanted to the leased grounds. If the season were changed to April 1st, this spat would have the advantage of all those months to develop, and as is the experience in Delaware Bay where almost a year is given for development, the insignificant percentage would be raised. Why the oystermen should oppose this change would appear inconceivable, but their notion is that they would lose a whole season's work in tonging, which they regard as a very serious matter. They fail to see that their catch in a few months would be of such value as to more than overcome any loss they might sustain by reason of the change in season. This is another development of the oyster situation in our State which must come sooner or later, and we urge your careful attention to this also.

Another measure introduced at the request of the Bureau was one creating a Board of Appeals and Review, composed of the Chief of the Bureau of Shell Fisheries and the superintendents of the three Commissions. It was proposed that this Board should have supervisory power over the industry of the State, and act upon appeals from decisions of the several commissions. It was the belief of the Bureau that the superintendents of the several districts, being practical oystermen themselves, would be in position to act intelligently upon all questions concerned for the welfare of the industry. This measure was intended to meet what appeared to be some sentiment in favor of the consolidation of our several commissions. Whether such consolidation is expedient and necessary is open to question. The conditions of the several districts vary so widely that it is absolutely necessary to have upon these grounds representatives of the State, who know the business thoroughly and are trustworthy men, competent to deal with the questions directly involved. The pay of our commissioners and other officers connected with the shellfish industry, is by no means large. The highest salary now paid is twelve hundred dollars a year to any one individual, and this we feel is a very small sum, indeed, for the services rendered.

The industry for this year yielded somewhat more than the cost to the State. The total appropriations for the past year were \$27,255.75, while the total income from all the districts is as will be seen by the following table:

	<i>No. of Acres Leased.</i>	<i>No. of Licenses Issued.</i>
Atlantic County	854.50	194
Delaware Bay and Maurice River Cove.....	23,527.00	353
Ocean County	3,702.00	159
Raritan Bay	497.25	13
Shark River	209.00	...
	<hr/>	<hr/>
	28,789.75	719

TOTAL RECEIPTS FROM LEASES AND LICENSES.

Atlantic County	\$1,370 00
Delaware Bay, Maurice River Cove and Raritan Bay and other sources	24,488 20
Ocean County	2,381 50
Shark River	228 75
	<hr/>
	\$28,468 45

RECAPITULATION.

Total acres leased	28,789.75
Total licenses issued	719
Total receipts	\$28,468.45

1909 APPROPRIATIONS.

Atlantic County.

Commissioner's salaries	\$900 00
Superintendent's salary	1,000 00
Patrol	1,680 00
Incidentals	220 00
Surveys	150 00
	<hr/>
Bureau of Shell Fisheries, salaries and expenses.....	\$3,950 00
	2,200 00

Cumberland County.

Salaries and patrol	\$13,000 00
Protection of natural beds.....	4,000 00
Surveys and maps	400 00
	<hr/>
Supplemental	\$17,400 00
	300 00

Ocean County.

Commissioner's salaries	\$750 00
Superintendent's salary	1,000 00
Patrol	1,000 00
Incidentals	500 00
Rent	50 00
	<hr/>
	\$3,300 00

Shark River.

Commissioner's salary	\$105 75
Total.....	\$27,255 75

You will observe that the Maurice River Cove District, (Cumberland County), is more than self-sustaining, its receipts exceeding its appropriations by \$6,788.20. It was sincerely hoped that both the other districts would have reached the self-sustaining point this year, but with the sentiment of the oystermen against taking out licenses, and with the large barren area, with a very light catch of seed, this was impossible. We venture the statement without fear of contradiction, that if our natural beds were leased by individuals as has been herein suggested, our revenue would rise to one hundred thousand dollars the first year, and constantly increase year after year.

THE ANTI-FRESHENING ORDER.

On October 15th of the present year the Board of Food and Drug Inspection of the United States Department of Agriculture issued the following bulletin on the food inspection decision regarding shell fish:

"The Department has investigated the preparation and shipment of oyster, clams, and other shell fish. A public hearing on this subject was held by the Board of Food and Drug Inspection on May 20, 1909. At this hearing, growers, packers, dealers, and the public were afforded an opportunity to be heard.

"It is unlawful to ship or to sell in interstate commerce, oysters or other shell fish taken from insanitary or polluted beds. The pollution of oysters with sewage can readily be detected by bacteriological examination, and such polluted oysters or other shell fish are adulterated under section seven of the Food and Drug Act of June 30, 1906, in that they contain an added 'poisonous or other added deleterious ingredient which may render such article injurious to health.

"Such articles are likewise adulterated under section seven, in the case of foods because they consist 'in whole or in part of a filthy, decomposed, or putrid animal or vegetable substance.'

"It is unlawful to ship or to sell in interstate commerce, oysters

which have become polluted because of packing under insanitary conditions or being placed in unclean receptacles. In order to prevent pollution during the packing or shipment of oysters, it is necessary to give proper attention to the sanitary condition of the establishment in which they are packed and to use only receptacles which have been thoroughly cleansed as soon as emptied. In order to prevent the possibility of contamination, it is desirable that such containers be sterilized before using.

"It is unlawful to ship or sell in interstate commerce, oysters or other shell fish which have been subjected to floating or 'drinking' in brackish water, or water containing less salt than that in which they were grown. Such food is adulterated under section seven of the law because a substance 'has been mixed and packed with it so as to reduce or lower or injuriously affect its quality or strength.' There can be no objection to 'drinking' shell fish in unpolluted water of the same salt content as that from which they have been removed. Attention is called, however, to the dangers resulting from 'drinking' shell fish near polluted fresh water streams and near other sources of pollution.

"It is unlawful to ship or to sell in interstate commerce, shucked oysters to which water has been added, either directly or in the form of melted ice. Such food is adulterated under section seven of the act because a 'substance has been mixed and packed with it so as to reduce or lower or injuriously affect its quality or strength' and also because 'a substance has been substituted wholly or in part for the article.'

"The packing of shell fish with ice in contact may lead to the absorption by the oyster of a portion of the water formed by the melting ice, thus leading to the adulteration of the oysters with water.

"Only unpolluted cold or iced water should be employed in washing shucked shell fish, and the washing, including chilling, should not continue longer than the minimum time necessary for cleaning or chilling.

"In view of the fact that the shipping season has begun and shippers will require several months to provide themselves with suitable containers for the shipment of shell fish out of contact with ice, no persecutions will be recommended prior to May 1, 1910, for the shipment or sale in interstate commerce of oysters or other shell fish

because of the addition of water caused solely by shipment in contact with ice."

This notice came to our State Board of Health, but none of our commissions or this Bureau had any official information regarding it until representatives of the State Board of Health went into our oyster districts to notify our oystermen of its application. The importance of this decision by the Government can be readily understood when we state that practically all of the oysters from the Maurice River Cove are "laid out" on floats for freshening over one tide, sometimes two, and that one shipper sent to market one million oysters a week for eight weeks during the present season. In Atlantic and Ocean counties a very large proportion of the oysters are also freshened because of the apparent demand upon the part of the consumers for oysters thus treated, most consumers having a repugnance to the biting taste of the salt oyster which has not been freshened. As soon as this Bureau received information of the issuance of the bulletin it prepared for publication the following statement, which was sent widely over the State, and in other States:

"The report from the great Maurice River Cove District of the order from the United States Pure Food Commission to the effect that oysters which have been 'laid out' may not be shipped to other States after May 1st next, has caused grave apprehension among the planters of that district and in Atlantic County. It is probable that the State Bureau of Shell Fisheries will take some action in co-operating with the State Oyster Commission to obtain a modification of this order by presenting some of the facts in relation to the process of 'laying out' or freshening oysters. Among the hundreds of planters in the Maurice River Cove district the fear is general that full compliance with such an order will mean destruction to the industry of that section, which comprises fully five-sixths of the total industry of the State. The total output of oysters for Maurice River Cove district alone is more than \$2,000,000 in market value annually, and practically every oyster in that large amount is 'laid out' after being dredged from the planted grounds. It is the opinion of well versed men and no small number of experts that this 'laying out' process is by no means harmful to the oysters and in no way deleterious to the health of the consumer.

"In this respect the recent issue of the Hospital, a journal devoted to the interests of the hospitals of the country, had this to say: 'The virtues of sea-water as a therapeutic agent in cases of dyspepsia

and tuberculosis have been more generally recognized on the continent than in this country. The fluid is given either in injections or by the mouth in small quantities before a meal, but this latter method, owing to the disagreeable acrid taste of the water, is not popular with patients. Carles and Laguet propose to overcome this difficulty, and at the same time to add to the efficacy of the treatment, by ordering patients to partake before meals of oysters which have previously been soaked in sea-water. The required amount of fluid has been found to be present in six large oysters.

"The clinical results of this treatment have been most favorable. The appetite is increased in a few days, and digestion improves. The flow of gastric juice is also increased, as shown by the examination of test meals taken before and after treatment. Clinically speaking, the oyster is a eupeptic medicament useful in many cases of ana and hypo-chlorhydria, and in tuberculosis with dyspeptic symptoms. The good effects of the sea-water are increased by the albumen, fat, hydrocarbons and mineral salts, especially phosphates, contained in the oyster, which are also rich in glycogen. The oyster is at once a tonic and a food-stuff. Its virtues which were recognized as early as 1827 by Sainte Marie, have recently been overlooked owing to the accusations which have been levelled against it on account of its association with typhoid bacilli.

"When a publication of such wide spread influence and which must necessarily be thorough in its investigations for results, reaches a conclusion in such a matter as this, its importance can readily be seen. The State Board of Health has been at some pains in recent years to point out to the planters and shippers some of the weaknesses of their system, and these have been corrected. One of them was the possible contamination by sewage from the immediate vicinity of the floats at Bivalve and Maurice River. It was also feared that the sewage from the City of Millville, thirty miles distant, might be harmful to the oysters thus 'laid out'. In both of these respects the possibilities of harm have been removed. The city of Millville has nearly completed a sewage disposal plant, and all possible sewage in the immediate vicinity of the floats has been removed.

"The experts of the State Board had at no time expressed a doubt as to the healthfulness of the 'laid out' oysters; but when the order of the Federal Pure Food Commission came, the Board called the attention of the planters and shippers to it.

"The system of 'floating' oysters in vogue in Maurice River has been a custom for many years, and no one ever seriously doubted its value. The oysters as dredged from the beds come up with considerable mud clinging to them and their taste is not of the best. They are transported to the immense floats in the Maurice River, a few miles from the Cove, where they are just barely submerged in the brackish water, and laid there one, sometimes two, tides. In this process the taking in of the brackish water tends to soften the saline taste. It is a known fact that this in no wise weakens the oyster's food value but the point made by the Pure Food Commission is that it is a practical 'adulteration' in violation of the specific provisions of the law. There is a strong disposition on the part of the planters and shippers to show the Commission that its position is wrong, and the State Bureau of Shell Fisheries will have experiments and investigations made by experts from the State Board of Health to prove this claim. The strong demand in the markets of all the eastern section of the country and in some points of the middle west for New Jersey oysters, means so much to the planters of this State that they will not readily give up such a valuable asset. The hope is that the Pure Food Commission will be convinced that its order is wholly unnecessary."

That our State is using its best efforts to remove all possibility of harmful contamination to our oyster beds is evidenced in the following act of the last Legislature, approved by you April 21, 1909:

"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. No excremental or other polluting matter of any kind or character whatsoever shall be discharged or placed in the waters, or be placed or suffered to remain on the banks of any stream, the bed of which is or shall be used for the planting and cultivation of oysters or clams, if such excremental or other polluting matter so placed or discharged into such stream, or placed or suffered to remain on the banks of such stream, will tend to corrupt and impair the quality or wholesomeness of the oysters or clams growing on the bed of said stream; provided, however, that nothing in this section contained shall apply to the discharge of sewage or drainage into any such stream by municipalities of this State.

2. Any person or corporation violating any of the provisions of this act shall be liable to a penalty of one hundred dollars, to be recovered in an action of debt by the Board of Health of the State of New Jersey.

3. The word 'stream' as used in this act shall be taken to include and mean all bodies of water in this State, or constituting a boundary between this and any other State, irrespective as to whether such waters be fresh or salt; provided, the bed of any such stream shall be used for the planting and cultivation of oysters or clams.

4. This act shall take effect immediately."

This act was passed largely through the efforts of the State Board of Health, and assisted by this Bureau, after investigation had showed that in some sections waters flowing over our freshening grounds might have been contaminated by sewage matter. Efforts to require a strict observance of this law are now being put forth and we believe carefully complied with by those concerned.

The Bureau is now at this date busily engaged in the effort to secure a modification or cancellation of the Government's order. A meeting of the planters of the Maurice River Cove district was held, and Walter H. Bacon, Esq., of Bridgeton, was selected to prepare and present to the Government on their behalf an appeal from the order. A meeting of the planters of Ocean County was held at Tuckerton, at which a committee was appointed to confer with this Bureau, with the same object in view. Arrangements are now being made for a meeting of the Atlantic County planters and shippers for the same object. The purpose of this movement is to make a concentrated effort to secure the desired modification or cancellation, firm in the belief that the Government's position is untenable. All our investigations and the experiences of all those engaged in our industry encourage the belief that there is nothing detrimental to health and no violation of the pure food regulations in any of our shell fish products. Of course, we can readily see how necessary such regulations would be if conditions warranted the Government in issuing an order of this character. It is evident, however, that it was not based upon correct information regarding the conditions of the industry in New Jersey. It is probable that when the movement is properly organized we shall ask for a hearing from the Secretary of Agriculture and urge the co-operation of our representatives in the United States Senate and House of Representatives in this

matter. We should be glad also to have your aid and assistance in our efforts.

NATIONAL ASSOCIATION.

In our last annual report we made brief reference to the pending organization of a National Association of Shell Fish Commissioners, composed of the official representatives of the several states engaged in the industry. This Association was formally launched in the office of the Superintendent of Marine Fisheries in the City of New York, on January 15, 1909. Temporary organization was effected and arrangements made for holding the first National Convention at the Aquarium in the City of New York on May 15th. Invitations were extended to the shell fish commissioners and other officials identified with the industry in the twenty states having such industry to attend this convention, the purpose of which was to arouse interest and exchange ideas for the betterment of the great industry. At this convention New Jersey was honored by the election of the Chief of the Bureau of Shell Fisheries as President, and the following States were represented by delegates: Maine, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Maryland and Alabama, the other States having sent letters commending the purpose and plan of the Association, and agreeing to enter heartily into the organization.

We believe that this Association will be of great value to our State in the general dissemination of knowledge and ideas gathered by enthusiastic members of the commissions of every States looking to the general advancement of our industry.

Report of Biologist.

CAUSE OF POOR SPATTING SEASONS.

The year 1909, in contrast with the previous year was a poor year for setting a spat or seed, at least in most of the spatting localities of the State. In the Barnegat region where the observations were made, as herein reported, the catch was unusually small. Here, then, was a good opportunity to attempt the investigation of the question so often put to me, viz: "What causes a failure of the set in some years?" We had planned a different line of research. In pursuance of our regular course to take up the problem of oyster culture in their natural and logical order the next query to be followed, was one involving the comparison of the value of different kinds of surface of collectors, so if possible to discover a cheap and efficient treatment of shell cultch that it shall have the greatest power of attracting spat. But the scarcity of spat or fry in the water prevented our planting the numerous sorts of cultch we had in readiness. This line of work must therefore wait for a more favorable season.

THE RELATION OF CLIMATE TO OYSTER QUALITY.

The sensitiveness of oysters to the conditions of their surroundings is well known to those who have had experience in their cultivation. Thus it is that oysters are confined to restricted beds, and that the products of different localities vary in character. In any particular bed the oysters vary from year to year due to the particular combination of such climatic factors as the saltness of the water as dependent on rainfall, the distribution and length of warm and cold waves, the prevailing winds and their force in stirring up the bottom, and the relation of the tides to the other factors in time of the occurrence of the highest and lowest tides.

Most of all the oyster cultivator is interested in the rapidity of

the growth and fatness, which are dependent on food and this in turn, depends on climatic elements. The rapidity of restoration of fatness for the Fall markets, depends not only on food supply, but also in the character and time of the spawning during the preceding months, and this in turn is absolutely regulated by climatic elements. The most obvious of such elements were observed at Barnegat during the past season and are summarized in the following table, for the period from the beginning of spawning until the majority of the oysters had spawned out.

EXPLANATION OF THE TABLE.

In this table the dates are given in the first column, the highest temperature of each day in the second; the temperature of the water in the third; the highest registration of the tide gauge in the fourth; the extent of range of the tidal flow in the fifth; the direction of the prevailing winds in the sixth. The seventh column, headed "Weather" is given to a record of the force of heavy winds in stirring up the bottom by making the water surface rough, with unusually high waves; and the occurrence of rainstorms and of cloudy sky is also noted in this column. The spaces left blank indicate fair weather and moderate wind.

In the column headed "Saltness" the lowest and highest readings of the hydrometer are noted. The next column records the proportion of oysters that have measurably completed spawning as shown by examination of one or two dozen specimens, taken from the same area throughout the season.

The last three columns record the number small, medium, and large oyster fry as found by filtering a bucket full of water.

TABLE OF CLIMATIC ELEMENTS AFFECTING OYSTER PROPAGATION, SEASON OF 1909, AT BARNEGAT, N. J.

DATE.	Air Tem.	Water.	Tide Ht.	Extent.	Wind.	Weather.	Saltness.	Spawning.	Small Fry.	Medium Fry.	Large Fry.
June 10.....	64	64	16	.....	N. E.	Cloud	5-8	1%	.....	.....	.....
June 11.....	68	.....	15	.....	S	.....	.....	.....	.....	.....	.....
June 12.....	74	.....	12	.....	.....	.....	.....	.....	.....	.....	.....
June 13.....	75	.....	.....	.....	S	Rain	.....	.....	.....	.....	.....
June 14.....	78	.....	12	.....	W	.....	.....	.....	.....	.....	.....
June 15.....	78	73	13	.....	S. W.	Cloud	10-20	.....	.....	.....	.....
June 16.....	70	75	14	8	N. N. E.	.....	7-14	.....	58	24	.....
June 17.....	74	75	13	.....	S. E.	Storm	.....	.....	.....	.....	.....
June 18.....	74	.....	.....	.....	W.	.....	.....	.....	.....	.....	.....
June 19.....	70	.....	17	14	N. W.	.....	.....	.....	.....	.....	.....
June 20.....	78	75	.....	.....	S. S. W.	.....	.....	.....	.....	.....	.....
June 21.....	92	81	7	5	S. W.	.....	9-15	5%	4	1	.....
June 22.....	85	81	7	5	S. W.	.....	19	10%	7	1	.....
June 23.....	92	86	7	5	N. W.	.....	17	.....	44	1	.....
June 24.....	92	79	8	5	S. W.	Cloud	12-18	.....	4	6	.....
June 25.....	90	86	10	4	S. W.	Cloud	12	.....	.....	.....	.....
June 26.....	86	.....	10	4	S.	.....	.....	.....	.....	.....	.....
June 27.....	86	.....	10	5	Var.	Storm	.....	.....	.....	.....	.....
June 28.....	84	.....	11	6	S. W.	Storm	.....	.....	.....	.....	.....
June 29.....	84	.....	11	7	S. E.	.....	.....	.....	.....	.....	.....
June 30.....	78	83	12	9	S. S. W.	Rough	15	.....	.....	.....	.....
July 1.....	80	85	12	6	S. W.	Cloud	10-15	.....	158	12	6
July 2.....	89	81	14	.....	Var.	.....	15-17	.....	50	42	10
July 3.....	80	83	14	7	N. W.	Rough	16	.....	.....	.....	.....
July 4.....	70	.....	17	9	Var.	.....	17	.....	.....	.....	.....
July 5.....	74	.....	17	7	S. E.	Rough	.....	.....	.....	.....	.....
July 6.....	75	83	12	6	S. E.	Cloud	15	15%	.....	1	.....
July 7.....	74	75	17	11	N. E.	Rough	16-19	.....	1	2	2
July 8*.....	82	81	15	6	Var.	.....	14-17	.....	.....	5	1
July 9.....	72	68	16	8	Var.	.....	18	.....	.....	.....	.....
July 10.....	73	.....	14	6	E.	.....	.....	.....	.....	.....	.....
July 11.....	76	79	14	5	E.	Rough	15	.....	.....	3	1
July 12.....	78	79	16	7	E.	Cloud	.....	.....	35	1	1
July 13*.....	88	83	14	7	S. W.	.....	13	25%	.....	6	.....
July 14.....	76	79	14	7	S.	.....	19	.....	111	9	.....
July 15.....	80	79	15	6	S. E.	Cloud	19	35%	69	70	1
July 16.....	86	85	14	7	S.	Rough	14-19	.....	139	455	89
July 17*.....	88	75	14	9	W.	Rough	19	60%	60	425	85
July 18.....	83	81	14	9	S. W.	Rough	19	.....	80	35	40
July 19.....	75	.....	11	7	N. W.	Gusty	19	.....	25	20	50
July 20.....	78	74	11	7	Var.	.....	17-19	75%	10	5	15
July 21.....	76	75	11	6	E.	Rough	19	.....	1	4	.....
July 22.....	74	70	8	4	S. E.	Storm	17	.....	.....	2	.....
July 23.....	75	70	15	9	S. E.	.....	13-18	.....	1	.....	.....
July 24.....	76	74	16	2	W.	.....	12	.....	.....	.....	.....
July 25.....	84	.....	8	4	N. W.	Rough	7-14	.....	.....	.....	.....
July 26.....	78	75	7	4	S.	Rough	.....	80%	3	.....	1
July 27.....	80	.....	7	5	S.	Rough	.....	.....	.....	.....	.....
July 28.....	78	79	8	6	E.	.....	16	.....	.....	.....	.....
July 29.....	80	.....	8	6	S.	Rough	.....	.....	.....	.....	.....
July 30.....	92	81	7	5	W.	Gusty	16	.....	205	46	.....
July 31.....	80	79	10	5	N. E.	.....	17-20	.....	91	38	.....
Aug. 1.....	76	70	18	.....	N. E.	.....	19	.....	.....	12	.....
Aug. 2.....	76	70	17	.....	N. E.	Rough	18	.....	.....	9	.....
Aug. 3.....	76	.....	18	9	N. E.	Rough	.....	.....	.....	.....	.....
Aug. 4.....	70	.....	21	.....	E.	Storm	16	.....	.....	.....	1
Aug. 5.....	82	72	19	7	N. W.	.....	9-18	.....	1	.....	.....
Aug. 6.....	74	72	18	6	N. E.	.....	15	95%	.....	.....	.....
Aug. 7.....	80	68	17	.....	Var.	.....	13-22	.....	6	1	.....
Aug. 8.....	90	.....	15	5	N. W.	.....	13	.....	24	.....	.....
Aug. 9.....	82	.....	12	5	N.	.....	.....	.....	.....	.....	.....
Aug. 10.....	85	.....	14	4	N.	.....	.....	.....	.....	.....	.....
Aug. 11.....	74	68	14	4	E.	Rough	20	.....	1	6	.....
Aug. 12.....	74	.....	15	9	S.	Rough	.....	.....	.....	.....	.....
Aug. 13.....	73	.....	18	9	S. E.	Storm	.....	.....	.....	1	.....
Aug. 14.....	76	72	19	8	S. E.	Rough	.....	.....	.....	4	.....
Aug. 15.....	76	70	18	6	S. E.	.....	.....	.....	1	2	.....
Aug. 16.....	74	.....	20	.....	S. E.	Storm	.....	.....	.....	.....	.....

*A slight amount of setting of spat occurred at these dates.

DISCUSSION OF THE DATA.

A table similar to this was published in our report for the last previous year, and a comparison of the two tables, gives instructive information. As a preliminary statement we call attention to the fact that the character of the weather during the Spring and up to the middle of June, was quite dissimilar in these years. In 1908 the warmer Spring brought the oysters to maturity early in June so that they nearly all spawned out, at least in shallow water, when the warm waves of the latter part of the month arrived. This gave them ample time to recuperate by September; and the mild winter helped still further to put the oysters into a splendid condition for spawning by June, 1909, but the Spring of this latter year was quite similar to that of 1907, and being cooler than usual, up to the middle of June. In 1907 there was no general spawning until the middle of July after which date the general period of spawning occurred. In 1909 we had an unusual protracted and high warm wave late in June, which, under favorable conditions would have caused most of the oysters to emit their spawn, and had this occurred, we would have had a most phenomenal catch of oysters at the opening of July. But the oyster though well filled with "milk" were not ready, and on observing this I fully expected to see the phenomena of two years previous repeated, i. e., spawning in mid July and spatting at the close of that month. In this expectation I was doomed to disappointment for the climatic elements were henceforth different from those of both preceding years.

SEASON NOT SUFFICIENTLY WARM.

Active spawning, and active spatting, both seem to be dependent on the occurrence of warm waves, especially if they are lasting. As I have stated, the warm weather of the end of June found the oysters not ready to spawn, but there was a considerable wave during the first three days of July, tho it was one of diminishing temperature, and so we had an increase in spawning, as shown by the count of 158 fry per bucketful, as compared with the smaller counts at the close of the wave in the middle of June and the effect of the great wave that began the 20th of that month.

The fourth of July brought a low temperature which continued until the 12th broken by one low and short wave on the 8th, warm

weather continued until the 19th, and we had during this period an increase in spawning, and growth of the fry as seen in the large numbers of medium and large fry then counted. After this cool weather prevailed for more than six weeks or until the latter end of August, broken only by two small waves of warmth, the first on the 30th of July, gave the largest count of newly spawned fry, viz., 205, while the second on August 7th and 8th, though more extensive, failed to sufficiently warm the water for reasons to be soon stated. The general conclusion may be made that the temperature was not sufficiently high to favor spawning and fry growth. Of course, the temperature of the water is the direct factor that affects the oysters and this depends not only on the occurrence of warm waves, but on the character of the tides which in turn depend on the moon and winds both as to their direction and force. The winds of the summer were unusually strong and persistent, and when they blew in a direction favoring the inflow, the tide was unusually high, and when in opposite direction, they favored the ebb, and gave an unusual low tide. Thus there was a great interchange of water that acted unfavorably for the experiments in two ways, first, the temperature was kept low, and secondly, the spawn that was in the water was carried away never to return. Of course, such influences as these depend largely on local topography for their efficiency, and at our Barnegat station the conditions are such as to make these factors peculiarly effective, for here we have a shallow lagoon nearly landlocked.

SEASON WAS UNUSUALLY DRY.

The summer was unusually dry, and our column recording the hydrometer readings, shows that the water was unusually salt. This of itself would not directly affect oyster spatting, but it had two effects, viz: It was unfavorable to the development of the microscopic food on which the fry depend, and the absence of rains tended to make the oysters hold their spawn. It is a general observation that freshets make oysters throw out their milk, the reason for this fact is yet to be discovered. As a matter of fact the oysters spawned very gradually, and even under the most favorable conditions, there was only a fifth as much spawn or fry in the water at one time as during the previous season. We have shown that there is a greater loss of spawn, when the amount is relatively low,

than when it is abundant. This is due to the necessity of having the water well filled with the milt of the male oyster in order to insure the fertilization of the eggs. There is also a great loss during development, and this is proportional to the length of the free swimming period, which in turn depends on temperature. The oysters lost their seed very gradually as seen by consulting the column headed "Spawning." All these factors, therefore, combined to keep the record low in the next three columns, and on that record depended the amount of the "set". Examination of shells placed as collectors, showed not more than half of them with spat, and only occasionally was there more than one spat on a shell.

THE CHARACTER OF THE SEASON'S "SET" OF SPAT.

The set seemed to be thrifty and made a good growth, but the increased saltness of the water, favored the invasion of the "borers" and much of the early set was killed by this enemy of oyster culture. While the season's set or "catch" was in general light, it was nearly up to standard in limited areas, and on the whole, the natural propagation during the season did not turn out a complete failure, although for experimental purposes, it was much poorer than for economic purposes. This was particularly true of the locality where the experiment station was located. We shall henceforth not be so limited in our choice of the field of operations, having obtained a new floating laboratory as shall be presently described. Owing to the very light spatting it was impracticable to keep track of it at the time. We had to wait a week or so before we could see the few spat that had caught, and from their growth determine the probable time of their setting. These dates coincide closely with the periods of greatest spawning. But we proved last year that it takes two or three weeks for the spawn to grow to spatting size, hence the spat observed on the 8th, 13th and 17th was probably spawned June 16th, 23rd and July 1st, respectively. From July 17th to the 20th there was the greatest number of fry ready to set, and the main spatting of the summer, occurred at this time. At the same time the water contained the greatest number of small and medium spat, that should have set by the close of the month or early in August, at the latest.

This did not happen, because this fry was washed away by the peculiar run of tides; all traces of it was lost, though examination of

the water, showed fresh accessions of spawn,—so if the older spawn had been present, it should have appeared. We suppose that this fry was carried out into the Bay and found no good cultch on which to set. So far as cultch was present there, it was covered very densely by a set of barnacles, and worm tubes, called "coral" by oystermen. This destroyed the small chances of setting. This condition in turn must be attributed to the high salinity of the water; favoring the extension of these creatures to areas usually not so favorable for their life.

THE NEW LABORATORY.

While we have been limited to operations near the stationary land laboratory we could not readily separate local from general agencies affecting oyster life. This has measurably been mended so far as the immediate future is concerned, by the acquisition of a floating laboratory. This laboratory boat was built from specifications designed principally to facilitate the experimental work, by enabling the investigator to choose the best location and to live constantly in close proximity to his work. The dormitory and culinary equipment of the boat have, however, subordinated to its use as a laboratory. In brief this boat consists of a cedar scow twelve by forty feet with a cabin twenty-five by twelve and seven feet in height. Beneath the floor is ample room in the hold for storage of implements. Suitable sinks, toilets, pantry and dark room for photographic work have been provided. The boat is substantially built of cedar, and is adapted to the installation of additional equipment as needs arise.

THE COST OF THE EXPERIMENTS.

The past year is the first in which the entire amount allowed by law (\$1,200) has been expended. The current annual expense of maintaining the experiments so far as the State of New Jersey is concerned has not exceeded \$300. Whatever has been spent in excess of this, has been for permanent equipment which is tangible value inventoried. Considering the cost of experimental and expert work, the State gets greater returns for the money invested under the provisions of Chapter 187, Laws of 1907, than in any other direction. The salary of the Biologist is not paid by the State.

MORE STATIONS DESIRABLE.

The Experiment Station at New Brunswick was supporting the study of oyster culture for years before this State became interested. When I began this work in 1888, I clearly foresaw the great value of a climatological service in connection with oyster culture, and I actually instituted a corps of volunteer observers, in imitation of that working for the State weather service. The matter has grown more complex as the work has gone forward, until it is now evident that such observations cannot be properly made by non-salaried non-experts. It is also evident, that these elements should be observed continuously at each station, and that such stations should be situated at more than one or two points of our oyster producing areas as at present. We heartily endorse the suggestions made by the Chief of the Bureau of Shell Fisheries in regard to the advisability of extending experimental work to other portions of our State, than those hitherto covered by our work. If the appropriations provided henceforth will permit, it shall be our object to see whatever is granted in excess of \$300 shall be devoted to maintaining work of a useful character, as far as possible of expert and experimental character, at important centers of the industry.

VALUE OF THE EXPERIMENTS.

As far as our own work is concerned, having had many years of experience, and having dedicated the entire life to the cause of the improvement of this industry, we may be granted authority to choose the localities best suited in our judgment to carrying on the experiments planned, as well as to be judge of the lines of experimentation that will bear the most fruit in the future. Practical people are always impatient to have immediate results often at the expense of real progress, and thus they are not really so practical in the long run as those who are considered mere theorizers, provided of course, the theorizers are engaged in experimenting, or putting theories to practice, and deducing their theories from experience. The problems of oyster culture seem to be very easy until one actually gets to work; and even the scientific man can join hands with the oyster planter, who after fifty years experience, confesses that he knew less now than when he commenced. He meant that he was less sure of a good many things, and realized that there are

many obscure points that it will take much careful investigation to make out. Our discovery that it takes weeks after spawning, before the spat "sets" is the most important discovery that has been made in connection with this subject, but it seems to have been obscured by the more sensational report of the discovery of the north pole. It is a most practical discovery, and we would have properly advertised it, if it had not come so gradually, and with a certain halo of indefiniteness about it for there are some things yet to clear up before one can "sound a trumpet" to herald the news. It is by no means an easy task to settle this question. It is still possible that all the spawn sent out by an oyster at one time does not grow at an equal rate. However, a good deal of it does, and the average rate depends on the temperature, and varies from one to three weeks. This fact is sufficiently established to be of immediate use to oystermen, as was shown in last year's report. But see how this discovery has increased the difficulties of attaining some of the ideals that we have all dreamed of attaining. How can we keep fry alive under artificial conditions until they set, since they are so very sensitive; and how can such a venture pay financially, even if a successful method be discovered. I have faith that the persistent study of oyster culture problems will bear good fruit in due season as has been the case with the work of agricultural experiment stations in relation to land farming.

ALLEGED DISEASE AT MAURICE RIVER COVE INVESTIGATED.

Early in October the Chief of the Bureau of Shell Fisheries called our attention to a newspaper report that an "unexplained disease" had invaded the celebrated oyster fields of Maurice River Cove, and that planters were "dismayed". We were asked to investigate and report. This we were glad to do, as the spreading of reports of this nature, causes alarm in the public mind that usually has no good foundation. From our long study of the oyster, we were convinced that our esculent bivalve has enough enemies to contend with, without having a new and mysterious disease added to its woes. Even if the disease should prove to be genuine, the public need not worry, since diseased oysters are not marketable. This is because of the deterioration in their appearance caused by disease, and indeed by any unfavorable circumstances. The matter was investigated on the 15th of October and the oysters on the beds referred

to in the clipping, were found to have died as alleged in news item; but the inference that this death was caused by an invasion of a "disease" was not sustained even though some of the oysters still alive, did have a bad appearance. This appearance (which as said before, prevented their sale, and therefore was not a menace to human health) could easily be explained as due to smothering. The fact is that the loss of oysters by death due to smothering and various other causes, is a universal experience of all planters everywhere; and the only peculiar feature of the present case was that nearly every oyster on a particular plot had been smothered. At the time of the examination a strong west wind was blowing and the billows raised were sufficiently forceful to stir up the sand from the bottom at a great rate. The bottom where these oysters were planted, was in fact a sand drift thrown up by the currents and of soft, unstable character. But how could a practical planter come to lay his crop, on such a shifting bottom? It was explained that this ground was new and untried bottom, only recently surveyed and leased. Seven miles east of this plot, we found another plot, also afflicted with this so-called disease, i. e., exhibiting the effects of smothering. In this case the plot covered a depression, into which mud had settled when the wind blew strongly from the east. It was explained that when the west wind blows this mud is cleared off by the currents, and that only when easterly weather is long continued does the mud lie sufficiently long to cause smothering. This had happened in the preceding April. A similar explanation applies to the case of smothering by sand, only it must be noted, that it is a great deal more difficult for an oyster to clear its gills of sand than of mud. I believe that if an oyster has once been filled or only partly filled with sand it can never regain its former vigor, and even a small amount of sand gives the oyster a great task.

The most important organs in an oyster are its gills. By them it feeds or secures its food (all of a microscopic size) and by the same organs it supplies itself with oxygen. Thus when the gills are clogged, the oyster is starved as well as smothered. When we reflect that an oyster is a fixed animal, never able to shift itself, and can only snap its valves energetically in endeavors to clear out the sand and mud, it is plain that a very constant and severe labor is imposed during the performance of which there can be no feeding. As the degree of fatness of an oyster depends on the abundance of food, and the length of time that eating can be continued with little

work and interruption on the part of the animal, it is plain that the fat already laid up must disappear rapidly when an oyster is struggling against invading sand or mud. I was fully justified in reporting that the oysters in question had died or were suffering from smothering, starvation and overwork combined. The real danger of an oyster's carrying disease to human beings, lies not in its own diseases but in the decay of their flesh while in storage or transport through lack of care, or else by their becoming the passive carriers of the germs of human diseases that are brought in contact with them. This in any case, is a question for local and State boards of health to consider. But the oystermen themselves should see that it is good policy never to place their oysters (shortly before marketing them) in water contaminated by sewage or human wastes and excretions.

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

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, 1909.

In submitting this annual report at this time, we find that we can consistently adopt what has been reported from time to time by our predecessors, the conditions prevailing in former years are the same to-day.

The present law is a good one and has served its purpose well, but with the passing of time and changings of conditions it is necessary to keep pace with the times; what we need at this time to insure the advancement of the industry, and benefits to our State and people is wise and judicious legislation on the lines suggested and recommended in former reports of the Ocean County Oyster Commission, more clearly set forth in the reports of Superintendent Horner, from 1906 to 1908. We are thoroughly convinced that if they were incorporated in our law they would serve to enthuse new life in the oyster business of the seaboard district.

They are absolutely necessary for the better regulation and control of the industry and we hope you will give them earnest consideration and bring them before the Legislature in such a manner that it will grasp the importance of caring for this all important occupation that interests all the people bordering on the bays along our seaboard.

The suggestions and recommendations herein contained are not prompted by any selfish motive, but the result of many years of practical experience in oyster culture in our immediate vicinity; our desire and aim is to take advantage and improve our opportunities, thereby giving the greatest good to the greatest number.

The whole matter rests with the Legislature whether these barren

bottoms shall be utilized for oyster and clam culture, or whether they shall be allowed to continue a barren and unproductive commons.

Thanking you for the valuable aid we have received from time to time from the Bureau of Shell Fisheries.

Respectfully submitted,

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

Commissioners.

Superintendent's Report.

GENTLEMEN:—I take pleasure in presenting to you this annual report, and in annexing hereto a detailed statement of leases and licenses executed during the past year.

A summary of conditions confronting those engaged in the oyster industry and the administration of the laws pertaining thereto would hardly go beyond an epitome of my annual reports for the past two or three years. These things do not change and my conclusions, carefully arrived at, are only confirmed and strengthened by each passing year, and I believe that they are shared by a majority of those engaged in oyster culture in Ocean County. The industry is capable of development and extension; at present it seems to be losing ground year by year. The natural conditions, when oysters and clams were lavished on the whole bay bottom, are giving away to the inroads of civilization, and it is not too much to say that unless proper artificial means are provided the livelihood of the baymen will disappear and other avenues of employment must be sought by him. The phrase is current, "the bays are failing", and of its truth there can be no doubt to anyone who will give five minutes to a consideration of the question.

I recommend as in the past, first, the enactment of a law providing for the leasing of unproductive ground in the waters of Ocean County adapted to the propagation of oyster seed. My previous reports cover the situation fully. Second, the repeal of the present license law, or the resumption of the practice of shelling the natural seed beds of the State or such part of them as may be deemed advisable under the circumstances heretofore reviewed. The principle is that a citizen should be compensated in some way for the two dollars and fifty cents license fee. At present there is absolutely no return to him for the expense he is forced to undergo. That portion of the law grows more unpopular.

In the main the laws under which we operate are eminently satisfactory and have resulted in much good to the whole community.

The changes recommended are insistent, however, and must be made if the people and the State are ever to reap the benefit that should be reaped from the waters over which your jurisdiction extends. I cannot urge this matter too strongly, and I trust it may be vigorously pressed upon the attention of the next session of the Legislature.

Following is a correct statement of all moneys received during the fiscal year ending October 31, 1909.

Received for ground rentals.....	\$1,945 00
Received for license fees.....	442 50

Respectfully submitted,

E. A. HORNER, JR.,
Oyster Superintendent.

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, 1909.

In accordance with the recommendations contained in our last annual report, the Legislature appropriated a sum sufficient for the erection of new monuments and ranges. These have been constructed at False Egg Island, Pierce's Point and Cedar Hummocks.

During the past year many new grounds have been taken up, and the receipts from survey fees have been the largest since the creation of the Commission. The protective laws have been well observed, general conditions have been favorable, and the present oyster crop is abundant and wholesome.

The planting grounds in Maurice River Cove are located within from seven to twenty miles of the Atlantic Ocean and, therefore, receive the benefit of a constant ocean tidal flow. This imparts to these oysters their unexcelled salty flavor, and they may be eaten with full confidence that they are grown on the cleanest oyster grounds in the world.

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,
WILLIAM SHILLINGSBURG,
WILLIAM DEGROFF,
State Oyster Commission.

Superintendents' Report.

GENTLEMEN:—I herewith submit to you my Annual Statement of receipts from all sources for the fiscal year ending October 31, 1909.

From licenses issued to vessels in Delaware Bay.....	\$10,150 00
From leases issued for oyster grounds in Maurice River Cove.....	11,915 45
From survey fees for oyster grounds in Maurice River Cove.....	1,814 50
From sale of maps of oyster grounds in Maurice River Cove.....	3 00
From licenses issued to vessels in Raritan Bay.....	103 00
From leases issued for oyster grounds in Raritan Bay.....	502 25
Total.....	\$24,488 20

Annexed to this Statement and made a part hereof you will find alphabetically the names of either the master or owner of all vessels licenses, with their post office address, also the name of the vessel and the amount collected for license. In like form you will also find the names of all lessees of oyster grounds and the amount collected for ground rentals, also the number of acres they hold under lease.

In closing this Statement permit me to express my thanks for your support and courtesy in all matters and at all times during the time I have had the honor of being Superintendent and to assure you that it will be my desire and pleasure to give you my best service as long as I may be permitted to administer the duties of this office.

Respectfully submitted,

A. T. BACON,
State Oyster Superintendent.

November 1, 1909.

Atlantic County Report.

To the Bureau of Shell Fisheries:

The State Oyster Commission for the District of Atlantic County hereby respectfully submit their Annual Report for the fiscal year ending October 31, 1909.

The oyster industry in this district during the past year has about held its own. Some sections have shown a tardy growth of planted oysters, which is difficult to account for. However, as a whole the year's business of the planters and shippers has been nearly up to the usual standard and very few planters have surrendered leased grounds, which is an indication of general satisfaction with their products.

Several complaints have been heard from lessees because of the occasional invasions of clammers and others upon their leased lands in quest of clams and that while at such work, these intruders do great damage by "wading" great numbers of oysters into the mud, thereby smothering the same and entailing a total loss. We are of the opinion that some stringent law should be enacted under which such leased grounds could be properly protected against any and all encroachments.

We again must call attention to the fact that the most important requirement of the oyster industry in this district is "Seed." The natural oyster seed beds that now exist, under the present conditions do not furnish sufficient supply for our planters, and it is imperative that something be done to remedy this situation. If the State cannot be induced to furnish the necessary shells, then provisions should be made to lease the barren grounds to individuals for the propagation of seed oysters. At present there is an abundance of territory in this district which is now lying idle and useless that could be utilized for this purpose.

Such leasing of ground would not only bring in an additional revenue to the State, but would be a great assistance to the planters.

It is evident that the continual depleting of the present seed beds will eventually demand this privilege.

The natural seed oyster catch at the opening of the season on October 1, 1901, was not as large as the previous year, owing it is claimed by many to the very dry weather during the spawning period; but not withstanding this fact a profitable supply was produced.

On the opening of the season the Commissioners and Superintendent were again on the natural seed beds of the Mullica River, and were pleased to note the willingness of the tongers to comply with the "Culling" law. No violations of a serious nature were found or reported. An unpleasant dissatisfaction was found, however, on the part of a number of tongers in refusing to pay the required license fee of two dollars and fifty cents, the claim being made that whereas the State does not provide shells for the seed beds, a license fee was unfair. Under these circumstances the Superintendent had considerable difficulty in collecting the fees; nevertheless we look for a better feeling and understanding in this matter in the future.

The present method of many tongers in taking seed oysters by the use of patent tongs, dredges and long handled rakes is becoming a serious menace to the old and deep water beds. By their use the bottoms are so disturbed that it is the general belief, such beds will be virtually destroyed in the near future. We feel convinced that a drastic law should be enacted to prevent the use of any device other than the common hand tongs.

Enclosed herewith you will find a list of the lessees of oyster grounds, and also the names of persons to whom a tonger's license was issued during the year.

The following shows the expenditures of the Commission for the year ending October 31, 1909:

For patrol service	\$1,622 22
For stationery, printing and incidentals.....	155 29
For surveys, oyster planting grounds.....	146 38
Total.....	\$1,923 89

Respectfully submitted,
 HARRY H. POSTOLL,
 R. M. SOOY,
 ISAAC SMALLWOOD,
Commissioners.

Oyster Bed Leases—Atlantic County.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Adams, Chas.	Pleasantville	203a	5.00	\$5 00	Sept. 1, 1909	1 year
Adams, Ellis J.	Pleasantville	205a	10.00	10 00	Sept. 1, 1909	1 year
Adams, Isaac	Pleasantville	204a	4.31	4 50	Sept. 1, 1909	1 year
Adkisson, Z. T.	Absecon	194a	7.64	7 75	Sept. 1, 1909	1 year
Albertson, Jno. C.	Pleasantville	21a	1.33	1 50	Sept. 1, 1909	1 year
Alcorn, J. W.	Atlantic City	246a	4.05	4 25	Sept. 1, 1909	1 year
Allen, Jos. B., Jr.	Atlantic City	90a	7.44	7 50	Sept. 1, 1909	1 year
Allen, Samuel B.	New Gretna	227a	1.75	1 75	Sept. 1, 1909	1 year
Bailey, Jno. L.	Atlantic City	.....	5.57	5 75	Sept. 1, 1909	1 year
Boice, Harry B.	Absecon	.....	1.95	2 00	Sept. 1, 1909	1 year
Boice, P. Harlan.	Absecon	169a	7.50	7 50	Sept. 1, 1909	1 year
Bowen, Arthur S.	Leeds Point	218a	3.89	4 00	Sept. 1, 1909	1 year
Bowen, Bartine	Leeds Point	126a	.80	1 00	Sept. 1, 1909	1 year
Bowen, Elwood	Pleasantville	208a	5.85	5 75	Sept. 1, 1909	1 year
Bowen, J. Clark	Leeds Point	152a	5.92	6 00	Sept. 1, 1909	1 year
Bowen, Samuel G.	Pleasantville	23a	8.63	8 75	Sept. 1, 1909	1 year
Bowen, Samuel G.	Pleasantville	.....	1.08	1 25	Sept. 1, 1909	1 year
Bowen, Thomas	Pleasantville	207a	3.25	3 25	Sept. 1, 1909	1 year
Bowen, Somers L.	Pleasantville	24a	8.60	8 75	Sept. 1, 1909	1 year
Brand, George	Port Republic	221a	1.75	1 75	Sept. 1, 1909	1 year
Chew, Benj. W.	New Gretna	196a	2.88	3 00	Sept. 1, 1909	1 year
Collins, Almyra	Pleasantville	201a	1.75	1 75	Sept. 1, 1909	1 year
Collins, Burris	Pleasantville	30a	5.46	5 50	Sept. 1, 1909	1 year
Collins, Harry R.	Pleasantville	30a	9.73	9 75	Sept. 1, 1909	1 year
Collins, Hugh	Pleasantville	25a	8.69	8 75	Sept. 1, 1909	1 year
Collins, Isaac	Pleasantville	28a	10.00	10 00	Sept. 1, 1909	1 year
Collins, John	Pleasantville	27a	3.52	3 75	Sept. 1, 1909	1 year
Collins, John H.	Pleasantville	29a	10.00	10 00	Sept. 1, 1909	1 year
Collins, Kate B.	Pleasantville	26a	4.22	4 25	Sept. 1, 1909	1 year
Collins, Louisa	Smith's Landing	31a	3.95	4 00	Sept. 1, 1909	1 year
Conover, Alfred	Atlantic City	92a	10.00	10 00	Sept. 1, 1909	1 year
Conover, Enoch	Oceanville	162a	1.13	1 25	Sept. 1, 1909	1 year
Conover, George	Absecon	223a	7.00	7 00	June 1, 1909	1 year
Conover, George	Absecon	237a	.90	1 00	June 1, 1909	1 year
Conover, Gilbert	Absecon	154a	8.00	8 00	Sept. 1, 1909	1 year
Conover, Harry B.	Absecon	260a	1.20	1 25	Sept. 1, 1909	1 year
Conover, Harry B.	Absecon	.....	1.95	2 00	Sept. 1, 1909	1 year
Conover, Joel A.	Atlantic City	91a	10.00	10 00	Sept. 1, 1909	1 year
Conover, John F.	Atlantic City	96a	2.71	2 75	Sept. 1, 1909	1 year
Conover, Leon	Absecon	164a	2.48	2 50	Sept. 1, 1909	1 year
Conover, Micajah H.	Absecon	165a	9.40	9 50	Sept. 1, 1909	1 year
Conover, Priscilla	Absecon	224a	7.21	7 25	June 1, 1909	1 year
Conover, Priscilla	Absecon	238a	1.49	1 50	June 1, 1909	1 year
Conover, Roland A.	Oceanville	128a	1.50	1 50	Sept. 1, 1909	1 year
Conover, William	Atlantic City	93a	1.73	1 75	Sept. 1, 1909	1 year
Conover, Willis R.	Oceanville	153a	3.14	3 25	Sept. 1, 1909	1 year
Conover, Zeph S.	Atlantic City	193a	7.00	7 00	Sept. 1, 1909	1 year
Cramer, Albert F.	Atlantic City	129a	1.03	1 25	Sept. 1, 1909	1 year
Cramer, Albert F.	Atlantic City	190a	1.97	2 00	Sept. 1, 1909	1 year
Cramer, Arnold & Caleb	New Gretna	189a	0.53	1 00	Sept. 1, 1909	1 year
Darby, John A.	New Gretna	188a	2.09	2 25	Sept. 1, 1909	1 year
Dennis, B. F.	Scullville	32a	6.25	6 25	Sept. 1, 1909	1 year
Dennis, Chas. B.	Scullville	33a	.94	1 00	Sept. 1, 1909	1 year
Dennis, C. B. & H. B.	Scullville	34a	2.40	2 50	Sept. 1, 1909	1 year
Dennis, Henry B.	Scullville	35a	2.57	2 75	Sept. 1, 1909	1 year
Doughty, B. F.	Atlantic City	176a	.47	1 00	Sept. 1, 1909	1 year
Doughty, David	Oceanville	195a	.73	1 00	Sept. 1, 1909	1 year
Doughty, Edw. C.	Oceanville	182a	.80	1 00	Sept. 1, 1909	1 year
Doughty, Ezra	Oceanville	183a	1.79	2 00	Sept. 1, 1909	1 year
Doughty, F. F.	Absecon	174a	3.70	3 75	Sept. 1, 1909	1 year
Fairbrothers, Chas.	Pleasantville	38a	4.25	4 25	Sept. 1, 1909	1 year
Fairbrothers, Lewis	Pleasantville	39a	5.00	5 00	Sept. 1, 1909	1 year
Fish, Alexander	Pleasantville	36a	6.88	7 00	Sept. 1, 1909	1 year
Fish, Sadie J.	Pleasantville	.....	4.00	4 00	Sept. 1, 1909	1 year
Fish, William	Ocean City	37a	9.14	9 25	Sept. 1, 1909	1 year
Garrison, Dennis	Scullville	181a	3.11	3 25	June 1, 1909	1 year
Garwood, Richard	Pleasantville	40a	5.12	5 25	Sept. 1, 1909	1 year
Garwood, Richard	Pleasantville	.....	2.00	2 00	Sept. 1, 1909	1 year
Gaskill, Thos. J.	New Gretna	187a	1.35	1 50	Sept. 1, 1909	1 year

OYSTER BED LEASES—ATLANTIC COUNTY—Continued.

NAME.	ADDRESS.	No.	Acresage.	Amount.	Date.	Term.
Giberson, Richard	Absecon	118a	1.30	1 50	Sept. 1, 1909	1 year
Giberson, Samuel	Absecon	115a	5.17	5 25	Sept. 1, 1909	1 year
Giberson, Thomas D.	Leeds Point	121a	3.68	3 75	Sept. 1, 1909	1 year
Giberson, Thomas D.	Leeds Point	219a	2.37	2 50	Sept. 1, 1909	1 year
Giberson, Harvey A., & Smith, Dariusk	Leeds Point	213a	4.74	4 75	Sept. 1, 1909	1 year
Gillison, Alfred	Atlantic City	.....	1.30	1 50	Sept. 1, 1909	1 year
Hackney, Steven R.	Morgate City	.....	1.50	1 50	Sept. 1, 1909	1 year
Hammell, Chas. F.	Absecon	117a	2.00	2 00	Sept. 1, 1909	1 year
Hammell, Chas. P.	Absecon	198a	9.84	10 00	Sept. 1, 1909	1 year
Hammell, Elnora M.	Absecon	199a	3.07	3 25	Sept. 1, 1909	1 year
Hammell, Wm. A.	Absecon	178a	5.94	6 00	Sept. 1, 1909	1 year
Hand, Wm. E.	Ventnor City	.....	2.00	2 00	Sept. 1, 1909	1 year
Headley, Parker C.	Tuckerton	136a	1.45	1 50	Sept. 1, 1909	1 year
Hewitt, Wilson	Port Republic	243a	1.61	1 75	Sept. 1, 1909	1 year
Higbee, Allen	Leeds Point	131a	3.67	3 75	Sept. 1, 1909	1 year
Higbee, Jas. W.	Leeds Point	155a	10.00	10 00	Sept. 1, 1909	1 year
Higbee, John G.	Leeds Point	130a	4.02	4 25	Sept. 1, 1909	1 year
Higbee, Somers T.	Leeds Point	132a	10.00	10 00	Sept. 1, 1909	1 year
Higbee, Somers T.	Leeds Point	134a	2.14	2 25	Sept. 1, 1909	1 year
Higbee, Harry S., and Conover, Chester G.	Oceanville	137a	3.00	3 00	Sept. 1, 1909	1 year
Hilton, Hannah	Pleasantville	228a	1.81	2 00	June 1, 1909	1 year
Hilton, John M.	Pleasantville	41a	9.88	10 00	Sept. 1, 1909	1 year
Holdzkom, David	Brigantine	241a	2.28	2 50	Sept. 1, 1909	1 year
Holdzkom, Edw.	Brigantine	98a	6.69	6 75	Sept. 1, 1909	1 year
Holdzkom, Samuel E.	Brigantine	177a	3.06	3 25	Sept. 1, 1909	1 year
Holdzkom, Wm.	Brigantine	124a	1.48	1 50	Sept. 1, 1909	1 year
Holdzkom, Harry B.	Brigantine	100a	1.92	2 00	Sept. 1, 1909	1 year
Honer, Julius	Oceanville	226a	1.30	1 50	Sept. 1, 1909	1 year
Horton, Chas.	Pleasantville	.....	1.60	1 75	Sept. 1, 1909	1 year
Horton, Chas. M.	Pleasantville	44a	7.12	7 25	Sept. 1, 1909	1 year
Horton, Edw.	Pleasantville	43a	1.13	1 25	Sept. 1, 1909	1 year
Horton, Edw.	Pleasantville	.....	1.00	1 00	Sept. 1, 1909	1 year
Horton, Howard	Pleasantville	45a	1.92	2 00	Sept. 1, 1909	1 year
Horton, Howard	Pleasantville	.....	2.34	2 50	Sept. 1, 1909	1 year
Horton, Peter	Pleasantville	.....	6.44	6 50	Sept. 1, 1909	1 year
Horton, Willis	Pleasantville	48a	2.16	2 25	Sept. 1, 1909	1 year
Horton, Willis	Pleasantville	.....	3.21	3 25	Sept. 1, 1909	1 year
Ingersoll, C. & John B.	English Creek	242a	5.04	5 25	Sept. 1, 1909	1 year
Ingersoll, Norris A.	Pleasantville	49a	2.00	2 00	Sept. 1, 1909	1 year
Ingersoll, Norris A.	Pleasantville	.....	3.75	3 75	Sept. 1, 1909	1 year
Ireland, Japhet	Pleasantville	.....	6.00	6 00	Sept. 1, 1909	1 year
Jacobson, Chas.	Oceanville	139a	1.10	1 25	Sept. 1, 1909	1 year
Jeffries, Andrew	Steelmanville	191a	2.64	2 75	Sept. 1, 1909	1 year
Jeffries, Richard S.	Steelmanville	192a	1.00	1 00	June 1, 1909	1 year
Lafferty, Walter	Pleasantville	53a	6.83	7 00	Sept. 1, 1909	1 year
Lake, Albert P.	Pleasantville	50a	5.72	5 75	Sept. 1, 1909	1 year
Lake, Henry	Pleasantville	52a	7.31	7 50	Sept. 1, 1909	1 year
Lee, Franklin	Scullville	263a	1.54	1 75	June 1, 1909	1 year
Leeds, Chas. A.	Leeds Point	141a	3.13	3 25	Sept. 1, 1909	1 year
Leeds, Edw.	Oceanville	172a	3.39	3 50	Sept. 1, 1909	1 year
Leeds, Warren C. N.	Brigantine	122a	4.33	5 00	Sept. 1, 1909	1 year
Loveland, Reuben A.	New Gretna	197a	3.51	3 75	Sept. 1, 1909	1 year
Loudenslager, Wm. B.	Ventnor City	142a	3.75	3 75	Sept. 1, 1909	1 year
Mathews, D. L.	Oceanville	211a	2.70	2 75	Sept. 1, 1909	1 year
Mathews, Geo., Jr.	Oceanville	171a	5.07	5 25	Sept. 1, 1909	1 year
Mathews, Goldwin	Oceanville	103a	1.20	1 25	Sept. 1, 1909	1 year
Mathews, Geo. W.	Oceanville	104a	1.29	1 50	Sept. 1, 1909	1 year
Mathews, Samuel C.	Oceanville	156a	8.80	9 00	Sept. 1, 1909	1 year
Mathis, Alvin	New Gretna	144a	1.57	1 75	Sept. 1, 1909	1 year
Mathis, Caleb B., Jr.	Pleasantville	85a	3.41	3 50	Sept. 1, 1909	1 year
Mathis, Caleb B., Jr.	Pleasantville	.....	2.00	2 00	Sept. 1, 1909	1 year
Mathis, Caleb B., Jr.	Pleasantville	248a	5.62	5 75	Sept. 1, 1909	1 year
Mathis, Eben	Absecon	59a	1.63	1 75	Sept. 1, 1909	1 year
Mathis, Edw.	New Gretna	145a	2.13	2 25	Sept. 1, 1909	1 year
Mathis, Ella	Pleasantville	57a	10.00	10 00	Sept. 1, 1909	1 year
Mathis, Ezra B.	Pleasantville	60a	2.00	2 00	Sept. 1, 1909	1 year
Mathis, Gilbert	Pleasantville	58a	9.82	10 00	Sept. 1, 1909	1 year

OYSTER BED LEASES—ATLANTIC COUNTY—Continued.

NAME.	ADDRESS.	No.	Acresage.	Amount.	Date.	Term.
Mathis, John F.	Leeds Point	143a	3.44	3 50	Sept. 1, 1909	1 year
Mathis, John F.	Pleasantville	.....	.25	1 00	Sept. 1, 1909	1 year
Mathis, Pittman E.	New Gretna	146a	1.03	1 25	Sept. 1, 1909	1 year
Mathis, William H.	Pleasantville	56a	10.00	10 00	Sept. 1, 1909	1 year
Middleton, Frank, and Johnson, S. E.	Atlantic City	216a	8.26	8 50	Sept. 1, 1909	1 year
Mitchell, Levi	Pleasantville	54a	1.25	1 25	Sept. 1, 1909	1 year
Mitchell, Wm. H.	Pleasantville	55a	4.42	4 50	Sept. 1, 1909	1 year
McKeague, H. Seymour.	Scullville	12a	1.44	1 50	Sept. 1, 1909	1 year
Powers, Elwood M.	Linwood	15a	1.88	2 00	Sept. 1, 1909	1 year
Powers, Jeremiah	Linwood	16a	3.00	3 00	Sept. 1, 1909	1 year
Price, Job C.	Brigantine	99a	1.51	1 75	Sept. 1, 1909	1 year
Price, Samuel	Brigantine	215a	3.63	3 75	Sept. 1, 1909	1 year
Reed, Bodine C.	Oceanville	111a	2.63	2 75	Sept. 1, 1909	1 year
Reed, Willis W.	Oceanville	107a	1.59	1 75	Sept. 1, 1909	1 year
Risley, C. and H.	Pleasantville	63a	9.20	9 25	Sept. 1, 1909	1 year
Risley, C. and H.	Pleasantville	68a	4.14	4 25	Sept. 1, 1909	1 year
Risley, Ephraim	Pleasantville	64a	6.83	7 00	Sept. 1, 1909	1 year
Risley, Ephraim	Pleasantville	.....	2.50	2 50	Sept. 1, 1909	1 year
Risley, Harry C.	Pleasantville	71a	7.85	8 00	Sept. 1, 1909	1 year
Risley, Job C.	Pleasantville	67a	3.80	4 00	Sept. 1, 1909	1 year
Risley, Obediah	Pleasantville	69a	4.91	5 00	Sept. 1, 1909	1 year
Risley, Richard J.	Pleasantville	66a	8.13	8 25	Sept. 1, 1909	1 year
Risley, Sylvia B.	Pleasantville	88a	1.00	1 00	Sept. 1, 1909	1 year
Robbins, L. D.	New Gretna	148a	1.06	1 25	Sept. 1, 1909	1 year
Robinson, David S.	Scullville	13a	2.00	2 00	June 8, 1909	1 year
Scott, Robert M.	Leeds Point	159a	.....	10 00	Sept. 1, 1909	1 year
Scull, Alfred S.	Linwood	89a	1.07	1 25	Sept. 1, 1909	1 year
Scull, Elizah	Scullville	10a	6.43	6 50	Sept. 1, 1909	1 year
Scull, Gideon	Atlantic City	247a	5.00	5 00	Sept. 1, 1909	1 year
Scull, John B.	Linwood	200a	2.00	2 00	Sept. 1, 1909	1 year
Scull, M. V. B.	Atlantic City	151a	3.00	3 00	Sept. 1, 1909	1 year
Scull, Thomas B.	Leeds Point	158a	3.49	3 50	Sept. 1, 1909	1 year
Savern, Joseph	Brigantine	114a	.92	1 00	June 1, 1909	1 year
Showell, Alfred	Absecon	114a	1.00	1 00	June 1, 1909	1 year
Showell, Geo. D.	Absecon	228a	1.94	2 00	Sept. 1, 1909	1 year
Smith, Aaron R.	Scullville	8a	6.38	6 50	Sept. 1, 1909	1 year
Smith, Abel W.	Scullville	5a	8.94	9 00	Sept. 1, 1909	1 year
Smith, Alfred B.	Brigantine	175a	3.24	3 25	Sept. 1, 1909	1 year
Smith, David T.	Scullville	4a	6.12	6 25	Sept. 1, 1909	1 year
Smith, Edwin	Oceanville	184a	.57	1 00	Sept. 1, 1909	1 year
Smith, Japhet S.	Scullville	239a	3.18	3 25	Sept. 1, 1909	1 year
Smith, J. Frank	Brigantine	186a	2.18	2 25	Sept. 1, 1909	1 year
Smith, John E.	Oceanville	238a	2.46	2 50	May 1, 1909	1 year
Smith, John H.	Scullville	2a	7.85	8 00	Sept. 1, 1909	1 year
Smith, Jos. S.	Absecon	250a	2.70	2 75	Sept. 1, 1909	1 year
Smith, Theodore	Scullville	1a	8.18	8 25	Sept. 1, 1909	1 year
Smith, Thompson	Pleasantville	79a	2.50	2 50	Sept. 1, 1909	1 year
Smith, Wesley C.	Absecon	249a	2.60	2 75	Sept. 1, 1909	1 year
Smith, W. J.	Oceanville	185a	3.98	4 00	Sept. 1, 1909	1 year
Somers, C. Bodine	Oceanville	244a	2.00	2 00	Sept. 1, 1909	1 year
Somers, C. Bodine	Oceanville	.....	.70	1 00	June 1, 1909	1 year
Somers, Emily S.	Linwood	.....	4.00	4 00	Sept. 1, 1909	1 year
Somers, Ezekiel	Oceanville	108a	4.23	4 50	Sept. 1, 1909	1 year
Somers, Erice	Scullville	8a	3.75	3 75	Sept. 1, 1909	1 year
Somers, Harris	Oceanville	110a	1.66	1 75	Sept. 1, 1909	1 year
Somers, Harry C.	Steelmanville	109a	1.95	2 00	Sept. 1, 1909	1 year
Somers, Jackson	Steelmanville	7a	2.50	2 50	Sept. 1, 1909	1 year
Somers, James S.	Linwood	17a	5.57	5 75	Sept. 1, 1909	1 year
Somers, Leon	Somers Point	193a	8.71	8 75	Sept. 1, 1909	1 year
Somers, Mark S.	Oceanville	113a	1.74	1 75	Sept. 1, 1909	1 year
Somers, Richard J.	Linwood	18a	9.86	10 00	Sept. 1, 1909	1 year
Somers, Sylvester	Scullville	14a	4.12	4 25	Sept. 1, 1909	1 year
Somers, Chas., and Dennis, Wm. B.	Scullville	9a	2.12	2 25	Sept. 1, 1909	1 year
Sooy, Daniel T., Jr.	New Gretna	.....	10.00	10 00	Sept. 1, 1909	1 year
Sooy, Eli M., Jas. E., Jno. M.	Leeds Point	262a	1.92	2 00	Sept. 1, 1909	1 year
Sooy, Elphra S.	Pleasantville	77a	10.00	10 00	Sept. 1, 1909	1 year
Sooy, Nancy	Pleasantville	78a	8.00	8 00	Sept. 1, 1909	1 year
Sooy, Samuel B.	Pleasantville	76a	6.77	7 00	Sept. 1, 1909	1 year

OYSTER BED LEASES—ATLANTIC COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Stebbins, Job C.	Pleasantville	.....	2.14	2 25	Sept. 1, 1909	1 year
Steelman, Frank	Somers Point	208a	5.24	5 25	Sept. 1, 1909	1 year
Strickland, Daniel	Oceanville	222a	2.00	2 00	Sept. 1, 1909	1 year
Strickland, Hy. F.	Leeds Point	.....	5.57	5 75	Sept. 1, 1909	1 year
Valient, Geo.	Tuckertown	254a	2.77	3 00	Sept. 1, 1909	1 year
Webb, George	Margate City	.....	3.00	3 00	Sept. 1, 1909	1 year
Willets, Fred W.	Brigantine	120a	3.71	3 75	Sept. 1, 1909	1 year
Yates, Jesse	Atlantic City	245a	1.14	1 25	Sept. 1, 1909	1 year
York, William	Smith's Landing	.....	2.40	2 50	Sept. 1, 1909	1 year

Oyster Bed Leases—Delaware Bay.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Abbott, Abdon, Sr.	Port Norris	53	16	\$8 00	June 20, 1909	1 year
Adams, Minnie (Mrs.)	Newport	4	15	7 50	June 20, 1909	1 year
Adams, J. Wesley	Port Norris	3	63	*32 90	June 20, 1909	1 year
Adams, J. Wesley, Robbins, D. T.	Port Norris	5	5	5 00	June 20, 1909	1 year
Adams & Cobb	Port Norris	6	20	10 00	June 20, 1909	1 year
Adams & Cook	Port Norris	1	12	6 00	June 20, 1909	1 year
Adams & Holmes	Port Norris	3	19	9 50	June 20, 1909	1 year
Allen, Edward H.	Bivalve	4	35	*17 85	June 20, 1909	1 year
Bacon, Boyle & Chance	Mauricetown	19	28	14 00	June 20, 1909	1 year
Bacon & Chance	Mauricetown	45	20	10 00	June 20, 1909	1 year
Bailey, Lafayette	Dividing Creek	16	40	*18 25	June 20, 1909	1 year
Bailey & Dilks	Port Norris	34	48	24 00	June 20, 1909	1 year
Bailey & Peace	Port Norris	15	25	*13 55	June 20, 1909	1 year
Baker, Edward	Haleyville	9	19	9 85	June 20, 1909	1 year
Baker & Sharp	Haleyville	7	12	6 00	June 20, 1909	1 year
Bass, John M.	Newport	67	10	5 00	June 20, 1909	1 year
Bateman, Luther	Newport	27	260	130 00	June 20, 1909	1 year
Bateman, Moses & Claude	Mauricetown	39	52	*26 70	June 20, 1909	1 year
Bateman, Rebecca R.	Newport	12	60	30 00	June 20, 1909	1 year
Bateman & Bateman	Cedarville	26	106	*54 05	June 20, 1909	1 year
Bateman & Blizzard	Port Norris	21	114	57 00	June 20, 1909	1 year
Bateman, Blizzard & Clerk	Port Norris	52	40	20 00	June 20, 1909	1 year
Bateman & Burt	Cedarville	22	169	84 50	June 20, 1909	1 year
Bateman & Crossley	Newport	51	20	10 00	June 20, 1909	1 year
Bateman, Diamant & Elmer	Cedarville	23	183	*95 70	June 20, 1909	1 year
Bateman & Emerson	Cedarville	24	61	*30 50	June 20, 1909	1 year
Bateman & Robbins	Port Norris	18	17	*9 20	June 20, 1909	1 year
Bateman & Swing	Fairton	25	94	*47 35	June 20, 1909	1 year
Bateman & Turner	Newport	50	45	22 50	June 20, 1909	1 year
Bateman & Welden	Newport	28	77	38 50	June 20, 1909	1 year
Belford & Stites	Dorchester	8	10	5 00	June 20, 1909	1 year
Bell, George C., Sr.	Newport	98	15	7 50	June 20, 1909	1 year
Berry, Berry & Earl	Port Norris	53	20	10 00	June 20, 1909	1 year
Berry, Chas. & Phillip	Port Norris	36	86	43 00	June 20, 1909	1 year
Berry, Robbins & Campbell	Port Norris	20	71	85 00	June 20, 1909	1 year
Berry, Stultz	Port Norris	43	131	65 50	June 20, 1909	1 year
Berry, William H.	Port Norris	48	53	*28 15	June 20, 1909	1 year
Bigwell, William	Bivalve	47	27	13 50	June 20, 1909	1 year
Blackman, Smith & J. A.	Port Norris	44	234	117 00	June 20, 1909	1 year
Blizzard, Stetson B.	Cedarville	49	10	5 00	June 20, 1909	1 year
Bluxsom, Robert H.	Port Norris	41	69	34 50	June 20, 1909	1 year
Bornhorst, August	Port Norris	37	76	*40 10	June 20, 1909	1 year
Bowker, Chas.	Dividing Creek	46	41	*19 80	June 20, 1909	1 year
Bowker & Bowker	Port Norris	40	36	18 00	June 20, 1909	1 year
Bowker, Thomas	Port Norris	10	25	12 50	June 20, 1909	1 year
Bowker, McDaniels & Sockwell	Port Norris	99	16	8 00	June 20, 1909	1 year
Boyle, Charles R.	Millville	54	25	12 50	June 20, 1909	1 year
Boyle, James	Millville	38	94	47 35	June 20, 1909	1 year
Bradford, Alford	Newport	17	22	*14 50	June 20, 1909	1 year
Bradford, Charles L.	Newport	13	142	71 00	June 20, 1909	1 year
Bradford, Elwood	Newport	18	16	8 00	June 20, 1909	1 year
Bradford, Lucius E.	Newport	31	61	*31 20	June 20, 1909	1 year
Bradford & Vannaman	Mauricetown	14	31	15 50	June 20, 1909	1 year
Bradway, C. M. (Mrs.)	Cape May City	30	10	5 00	June 20, 1909	1 year
Brineshults & Mayhew	Cedarville	32	188	94 00	June 20, 1909	1 year
Brineshults, Wallen & Fithian	Cedarville	33	15	7 50	June 20, 1909	1 year
Brunyate & Schock	Bridgeton	11	70	35 00	June 20, 1909	1 year
Burnight, Stites & Stites	Newport	42	40	20 00	June 20, 1909	1 year
Buzine & Garrison	Heislerville	35	54	*29 10	June 20, 1909	1 year
Cain, Ellis L.	Port Norris	86	23	*10 10	June 20, 1909	1 year
Callahan, John R.	Millville	66	9	5 00	June 20, 1909	1 year
Campbell, Archie & W. A.	Port Norris	58	73	36 50	June 20, 1909	1 year
Campbell, James, Sr.	Newport	75	110	55 00	June 20, 1909	1 year
Campbell, James, Jr.	Mauricetown	61	122	61 00	June 20, 1909	1 year

OYSTER BED LEASES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Campbell, James & Wilson A.	Newport	73	77	38 50	June 20, 1909	1 year
Campbell, James & Co.	Newport	89	50	25 00	June 20, 1909	1 year
Campbell, Joslin, John & Zephaniah	Newport	90	18	9 00	June 20, 1909	1 year
Campbell, Peter	Newport	79	128	64 00	June 20, 1909	1 year
Campbell, Sheppard	Newport	84	5	5 00	June 20, 1909	1 year
Campbell, Smith	Dividing Creek	59	26	13 00	June 20, 1909	1 year
Campbell & Gates	Newport	74	18	9 00	June 20, 1909	1 year
Campbell & Husted	Dividing Creek	82	43	*21 50	June 20, 1909	1 year
Chance & Mints	Dividing Creek	60	28	*13 65	June 20, 1909	1 year
Chance, Eli W.	Mauricetown	65	89	44 50	June 20, 1909	1 year
Chance & Earl	Port Norris	88	7	5 00	June 20, 1909	1 year
Chance, John S.	Leesburg	72	53	*26 85	June 20, 1909	1 year
Chew, William V.	Port Norris	80	10	5 00	June 20, 1909	1 year
Chew, Bateman & Henry	Port Norris	81	48	24 00	June 20, 1909	1 year
Clark, John & Edward	Port Norris	85	35	*16 45	June 20, 1909	1 year
Clark, William	Port Norris	56	22	11 00	June 20, 1909	1 year
Collins, William T.	Camden	100	45	22 50	June 20, 1909	1 year
Conahay & Yates	Port Norris	55	15	7 50	June 20, 1909	1 year
Cook, J. E.	Port Norris	64	224	*112 70	June 20, 1909	1 year
Cosier, Lucius E.	Newport	78	56	28 00	June 20, 1909	1 year
Cosier, Peter C.	Newport	70	193	96 50	June 20, 1909	1 year
Cosier, William W.	Dividing Creek	57	16	*6 95	June 20, 1909	1 year
Cosier, Cosier, More & Ware	Newport	71	16	8 00	June 20, 1909	1 year
Cosier & Gates	Newport	69	22	11 00	June 20, 1909	1 year
Cosier & Husted	Newport	68	25	12 50	June 20, 1909	1 year
Cox, Champion H.	Leesburg	62	71	35 50	June 20, 1909	1 year
Cox, Raymond	Cedarville	87	12	6 00	June 20, 1909	1 year
Cox & Cox	Leesburg	83	82	41 00	June 20, 1909	1 year
Cruise, Benjamin B.	Mauricetown	77	96	*47 65	June 20, 1909	1 year
Cruise, David K.	Dorchester	76	48	24 00	June 20, 1909	1 year
DeGroff, William	Keyport	112	13	6 50	June 20, 1909	1 year
Dillahay & Fagan	Port Norris	95	15	7 50	June 20, 1909	1 year
Dodson, Thomas L.	Heislerville	94	64	*31 30	June 20, 1909	1 year
Donnelly, Lorenzo G.	Heislerville	92	32	16 00	June 20, 1909	1 year
Donnelly & Donnelly	Heislerville	91	118	59 00	June 20, 1909	1 year
Edmonds & Garrison	Port Norris	102	50	25 00	June 20, 1909	1 year
Errickson & Compton	Leesburg	103	62	*31 70	June 20, 1909	1 year
Ezans, Joshua J.	Millville	104	30	15 00	June 20, 1909	1 year
Evans, Evans & Evans	Millville	101	109	60 10	June 20, 1909	1 year
Fagan, Dillahay & Jeffries	Port Norris	117	44	22 00	June 20, 1909	1 year
Ferguson, Argus S.	Leesburg	113	46	23 00	June 20, 1909	1 year
Fidler, Charles	Leesburg	112	15	5 25	June 20, 1909	1 year
Fidler, Frank	Dennisville	107	23	11 50	June 20, 1909	1 year
Fisher & Robbins	Port Norris	116	20	10 00	June 20, 1909	1 year
Fithian & Minch	Bridgeton	108	211	105 50	June 20, 1909	1 year
Fithian & Sutton	Bridgeton	357	16	8 00	June 20, 1909	1 year
Flynn, John	Camden	110	91	45 50	June 20, 1909	1 year
Poster, W. Linwood	Delmont	109	21	10 50	June 20, 1909	1 year
Fowler, William E.	Port Norris	114	215	*113 45	June 20, 1909	1 year
Fowler & Morris	Port Norris	115	13	6 50	June 20, 1909	1 year
Gandy, Ephraim	Dividing Creek	129	9	5 00	June 20, 1909	1 year
Gandy, Miles	Cedarville	122	153	76 50	June 20, 1909	1 year
Gandy & Van Gilder	Dennisville	126	91	45 50	June 20, 1909	1 year
Garrison, Frank L.	Dividing Creek	127	12	6 00	June 20, 1909	1 year
Garrison, Joseph	Dividing Creek	124	19	9 50	June 20, 1909	1 year
Garrison, Joseph M.	Port Norris	128	59	29 50	June 20, 1909	1 year
Garrison & Bonham	Dividing Creek	132	10	5 00	June 20, 1909	1 year
Garrison, Garrison & Bonham	Dividing Creek	132	30	15 00	June 20, 1909	1 year
Gaskill, George S.	Port Norris	121	85	42 50	June 20, 1909	1 year
Gaskill, John	Newport	123	195	97 50	June 20, 1909	1 year
Garratson & Squarewood	Haleyville	130	12	*6 70	June 20, 1909	1 year
Hagemann, Albert C.	Camden	164	178	*89 70	June 20, 1909	1 year
Hager, Sherman	Port Norris	137	38	19 00	June 20, 1909	1 year
Haley, Clarence	Mauricetown	142	48	24 00	June 20, 1909	1 year
Hand, Constant W.	Port Norris	152	59	29 50	June 20, 1909	1 year
Hand, Harrison	Port Norris	159	43	21 50	June 20, 1909	1 year

OYSTER BED LEASES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Hand, C. W. & Benj. Berry	Port Norris	147	70	35 00	June 20, 1909	1 year
Hand, C. W. & W. H. Berry	Port Norris	145	215	107 50	June 20, 1909	1 year
Hand, Berry & Berry	Port Norris	146	190	95 00	June 20, 1909	1 year
Hand & Campbell	Port Norris	149	239	*123 35	June 20, 1909	1 year
Hand, Joslin & Joslin	Port Norris	150	15	7 50	June 20, 1909	1 year
Hand & Newell	Leesburg	153	13	6 50	June 20, 1909	1 year
Hanners, McClellan	Newport	155	27	13 50	June 20, 1909	1 year
Harrington, Gerald	Port Norris	161	10	5 00	June 20, 1909	1 year
Harris, Ephraim	Port Norris	135	26	13 00	June 20, 1909	1 year
Harris, John W., Sr.	Leesburg	141	66	33 00	June 20, 1909	1 year
Harris, John W., Jr.	Leesburg	170	27	13 50	June 20, 1909	1 year
Harris & Hiles	Haleyville	171	10	5 00	June 20, 1909	1 year
Havens, William E.	Millville	133	10	5 00	June 20, 1909	1 year
Hearn, Margaret	Port Norris	139	79	39 50	June 20, 1909	1 year
Hearn & Co.	Maurice River	140	28	14 00	June 20, 1909	1 year
Henderson, Lafayette	Leesburg	165	82	41 00	June 20, 1909	1 year
Henry & Buzby	Port Norris	160	241	120 50	June 20, 1909	1 year
Hettinger, Henry A.	Bridgeton	158	40	21 50	June 20, 1909	1 year
Hickman, Walter	Dividing Creek	154	15	7 50	June 20, 1909	1 year
Hiles, Claude & Geo.	Haleyville	169	10	5 00	June 20, 1909	1 year
Hinson, Harold E.	Mauricetown	143	47	23 50	June 20, 1909	1 year
Hinson, William T.	Mauricetown	167	13	6 50	June 20, 1909	1 year
Hinson & Bateman	Mauricetown	144	288	*146 45	June 20, 1909	1 year
Hollinger, Harrison	Port Norris	162	37	18 50	June 20, 1909	1 year
Holmes, Gilbert	Pierces	166	13	6 50	June 20, 1909	1 year
Howell, Forest G.	Millville	136	34	17 00	June 20, 1909	1 year
Husted, Howard S.	Bridgeton	163	62	31 00	June 20, 1909	1 year
Hunter, Aaron S.	Haleyville	156	36	18 00	June 20, 1909	1 year
Hunter, William C.	Haleyville	157	53	26 50	June 20, 1909	1 year
Husted, William & Howard	Newport	148	30	15 00	June 20, 1909	1 year
Ingersoll, Chas. M.	Dividing Creek	173	7	5 00	June 20, 1909	1 year
Ingersoll & Campbell	Dividing Creek	174	10	5 00	June 20, 1909	1 year
Jantsen, Gus	Port Norris	179	47	23 00	June 20, 1909	1 year
Jantsen & Hollinger	Port Norris	180	11	5 50	June 20, 1909	1 year
Jeffries, Robert	Port Norris	175	28	14 00	June 20, 1909	1 year
Jenkins, William	Dividing Creek	181	10	5 00	June 20, 1909	1 year
Johnson, Chas. F.	Cedarville	178	148	74 00	June 20, 1909	1 year
Johnson, Chas. W.	Newport	182	32	18 00	June 20, 1909	1 year
Joslin, Benjamin S.	Newport	177	63	31 50	June 20, 1909	1 year
Joslin, Joslin & Joslin	Newport	184	15	7 50	June 20, 1909	1 year
Joslin & Moncrief	Newport	176	9	5 00	June 20, 1909	1 year
Joslin, Moncrief	Newport	176	9	5 00	June 20, 1909	1 year
Mulford & Mulford	Bivalve	183	65	32 50	June 20, 1909	1 year
Ladow, Hammell	Bridgeton	195	8	5 00	June 20, 1909	1 year
Ladow, Sylvanus A.	Dividing Creek	194	14	7 00	June 20, 1909	1 year
Ladow & Bradford	Newport	185	93	46 50	June 20, 1909	1 year
Lake, David R.	Pleasantville	197	19	9 50	June 20, 1909	1 year
Lake, John T.	Port Norris	189	114	56 30	June 30, 1909	1 year
Lake, J. Hammit	Port Norris	190	32	*16 70	June 20, 1909	1 year
Lake, Samuel C.	Port Norris	240	39	*17 40	June 20, 1909	1 year
Lake & Bluxson	Port Norris	151	30	15 00	June 20, 1909	1 year
Lake, Little, Bateman & Bradford	Port Norris	202	30	15 00	June 20, 1909	1 year
Lambert, William H.	Port Norris	199	11	5 50	June 20, 1909	1 year
Land, William H.	Port Norris	198	113	*58 60	June 20, 1909	1 year
Lee, Daniel	Leesburg	207	10	5 00	June 20, 1909	1 year
Lee, Frank	Leesburg	203	6	5 00	June 20, 1909	1 year
Lee, Harry M.	Port Norris	349	10	5 00	June 20, 1909	1 year
Lee, Harry M.	Port Norris	192	100	50 00	June 20, 1909	1 year
Lee, Maurice R.	Port Norris	200	41	*19 10	June 20, 1909	1 year
Lee, Samuel	Leesburg	188	33	16 85	June 20, 1909	1 year
Lee & Covert	Leesburg	191	178	*92 15	June 20, 1909	1 year
Lilliston & Sharpless	Leesburg	206	30	15 00	June 20, 1909	1 year
Loper, Thomas B.	Cedarville	259	10	5 00	June 20, 1909	1 year
Lord & Tribbet	Heislerville	186	14	7 00	June 20, 1909	1 year
Lore, Addie	Newport	205	75	37 50	June 20, 1909	1 year
Lore, Lavisa	Millville	196	28	14 00	June 20, 1909	1 year
Lore, N. J.	Dividing Creek	201	6	5 00	June 20, 1909	1 year

OYSTER BED LEASES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Lore, Tyler J.	Newport	134	15	7 50	June 20, 1909	1 year
Lore, R. T. & W. C.	Camden	193	179	\$9 50	June 20, 1909	1 year
Lore, Lore & Lore	Cedarville	187	74	*36 65	June 20, 1909	1 year
Mayhew, Fred C.	Cedarville	221	22	11 00	June 20, 1909	1 year
McClain, Chas. G.	Leesburg	215	46	23 00	June 20, 1909	1 year
McDaniels, Howard & Major	Port Norris	222	10	5 00	June 20, 1909	1 year
McDaniels, Willard	Port Norris	241	10	5 00	June 20, 1909	1 year
Meerwald, Augustus J.	Dennisville	212	159	*78 10	June 20, 1909	1 year
Meiler, John	Camden	223	11	5 50	June 20, 1909	1 year
Moore, Isaac	Dividing Creek	214	30	15 00	June 20, 1909	1 year
Moore, Samuel K.	Fairton	213	7	5 00	June 20, 1909	1 year
Moore, S. E.	Bridgeton	224	30	15 00	June 20, 1909	1 year
Moore & Henry	Fairton	208	30	15 00	June 20, 1909	1 year
More, Robert, Jr.	Bridgeton	210	58	39 50	June 20, 1909	1 year
More & More	Bridgeton	211	110	55 00	June 20, 1909	1 year
Mulford, A. G. & J. Ralph	Cedarville	209	60	30 00	June 20, 1909	1 year
Mulford, Ephraim	Bivalve	219	14	7 00	June 20, 1909	1 year
Mulford, Mahlin	Fairton	216	9	5 00	June 20, 1909	1 year
Mulford & Mulford	Bivalve	217	510	*260 95	June 20, 1909	1 year
Mulford, Mulford & Mulford	Bivalve	218	300	150 00	June 20, 1909	1 year
Neal, Joseph D.	Philadelphia, Pa.	236	439	219 50	June 20, 1909	1 year
Newcomb, Adrain B.	Newport	225	106	50 00	June 20, 1909	1 year
Newcomb, Fayette L.	Port Norris	223	34	*16 80	June 20, 1909	1 year
Newcomb, Geo. W. C.	Newport	233	38	19 50	June 20, 1909	1 year
Newcomb, Josiah & Daniel L.	Port Norris	234	52	26 00	June 20, 1909	1 year
Newcomb, Lewis B.	Cedarville	229	38	19 00	June 20, 1909	1 year
Newcomb, Olin W.	Port Norris	226	37	18 50	June 20, 1909	1 year
Newcomb, Peter F. & Newcomb, P. F. & G. W. C.	Newport	231	161	*81 20	June 20, 1909	1 year
Newcomb, Theophilus	Newport	232	38	19 00	June 20, 1909	1 year
Newcomb, William B.	Port Norris	230	78	39 50	June 20, 1909	1 year
Nickelson, Henry C.	Newport	227	31	15 50	June 20, 1909	1 year
Nickerson, Harry E.	Port Norris	235	44	23 05	June 20, 1909	1 year
Nieukirk, James P.	Port Norris	240	18	9 00	June 20, 1909	1 year
Nieukirk & Nieukirk	Camden	239	20	10 00	June 20, 1909	1 year
Nieukirk & Nieukirk & Hogate	Camden	237	19	9 50	June 20, 1909	1 year
O'Hara, Harry	Camden	238	96	48 00	June 20, 1909	1 year
Orr, John H.	Port Norris	243	13	6 50	June 20, 1909	1 year
Orr, Mark L.	Dividing Creek	244	49	*24 85	June 20, 1909	1 year
Orr & Mints	Dividing Creek	245	30	*16 05	June 20, 1909	1 year
Pashley, Charles	Dividing Creek	246	14	7 00	June 20, 1909	1 year
Peque, William M.	Dividing Creek	249	12	6 00	June 20, 1909	1 year
Pepper & Pepper	Port Norris	250	70	35 00	June 20, 1909	1 year
Peterson & Bateman	Port Norris	254	100	50 00	June 20, 1909	1 year
Peterson, Geo. C.	Port Norris	251	166	83 00	June 20, 1909	1 year
Peterson & Moore	Newport	256	130	65 00	June 20, 1909	1 year
Petit & Bell	Cedarville	252	15	7 50	June 20, 1909	1 year
Pierce & Pennell	Bivalve	260	19	9 50	June 20, 1909	1 year
Pierce, William H.	Dorchester	253	53	*26 15	June 20, 1909	1 year
Polhamus & Stowman	Dorchester	258	12	6 00	June 20, 1909	1 year
Polhamus, Zebulon	Dorchester	257	58	29 00	June 20, 1909	1 year
Rahr, David	Leesburg	255	42	21 00	June 20, 1909	1 year
Randolph, Andrew	Bricksboro	282	29	14 50	June 20, 1909	1 year
Randolph & Adams	Port Norris	291	20	15 50	June 20, 1909	1 year
Reed & Robbins	Leesburg	280	31	10 00	June 20, 1909	1 year
Riggin, Chas. M.	Cedarville	288	52	*28 70	June 20, 1909	1 year
Riggin & Riggin	Port Norris	290	17	8 50	June 20, 1909	1 year
Riggin, Edward M.	Port Norris	277	34	*19 10	June 20, 1909	1 year
Riggin, Walter C.	Port Norris	278	106	53 00	June 20, 1909	1 year
Riggin, W. C. & C. M.	Port Norris	275	69	34 50	June 20, 1909	1 year
Riggin, Riffin, Riffin & Stites	Port Norris	276	41	20 50	June 20, 1909	1 year
Robbins & Compbell	Port Norris	262	160	80 00	June 20, 1909	1 year
Robbins, Campbell & Robbins	Bivalve	271	318	*158 65	June 20, 1909	1 year
Robbins	Bivalve	272	31	15 50	June 20, 1909	1 year

OYSTER BED LEASES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Robbins & O'Neil	Port Norris	286	30	*13 60	June 20, 1909	1 year
Robbins, Clarence M.	Newport	270	107	53 50	June 20, 1909	1 year
Robbins, Daniel T.	Port Norris	273	12	6 00	June 20, 1909	1 year
Robbins, David, Jr.	Port Norris	268	76	38 00	June 20, 1909	1 year
Robbins, David, Sr.	Port Norris	267	203	101 50	June 20, 1909	1 year
Robbins, Edward C.	Haleyville	265	37	18 50	June 20, 1909	1 year
Robbins, George	Port Norris	269	144	72 00	June 20, 1909	1 year
Robbins, Henry S.	Port Norris	263	329	*165 55	June 20, 1909	1 year
Robbins, Jos. S.	Dividing Creek	261	12	6 00	June 20, 1909	1 year
Robbins, Levi	Port Norris	264	45	22 50	June 20, 1909	1 year
Robbins, Levi & Ed. C.	Haleyville	266	121	60 50	June 20, 1909	1 year
Robbins, Mary S.	Port Norris	287	9	5 00	June 20, 1909	1 year
Robbins, Sheppard	Port Norris	274	51	25 50	June 20, 1909	1 year
Robbinson, Silas, Sr.	Dividing Creek	279	38	19 00	June 20, 1909	1 year
Robinson, Dora & Harry	Dennisville	292	25	12 50	June 20, 1909	1 year
Rogers, Maurice A.	Camden	283	833	166 50	June 20, 1909	1 year
Rogers & Rogers	Camden	284	460	230 00	June 20, 1909	1 year
Rogers & Whilden	Camden	285	315	157 50	June 20, 1909	1 year
Rowley, L. Bates	Port Norris	281	25	12 50	June 20, 1909	1 year
Schoch, George Y.	Ocean City	298	116	58 00	June 20, 1909	1 year
Schoch & Sharp	Port Norris	299	75	37 50	June 20, 1909	1 year
Schoch & Vail	Ocean City	300	277	138 50	June 20, 1909	1 year
Schwartz, Henry	Port Norris	293	10	5 00	June 20, 1909	1 year
Schwartz, Cobb & Cobb	Port Norris	327	14	7 00	June 20, 1909	1 year
Sharp & Pohjama	Leesburg	328	81	40 50	June 20, 1909	1 year
Sharp, Sharp & Harris	Leesburg	320	28	*13 30	June 20, 1909	1 year
Sharp & Williams	Heislerville	329	11	*5 85	June 20, 1909	1 year
Sharp, John W.	Leesburg	96	20	10 00	June 20, 1909	1 year
Sharp, Walter L.	Port Norris	324	19	*7 75	June 20, 1909	1 year
Sharp, Walter M.	Bridgeton	326	13	6 50	June 20, 1909	1 year
Sharp, Zadoc C., Jr.	Leesburg	311	26	13 00	June 20, 1909	1 year
Sharp, Zadoc C., Sr.	Leesburg	310	31	15 50	June 20, 1909	1 year
Sharpless, John	Leesburg	309	220	110 00	June 20, 1909	1 year
Sheppard, Harrison	Mauricetown	297	246	123 00	June 20, 1909	1 year
Sheppard, Lewis F.	Cedarville	303	185	92 50	June 20, 1909	1 year
Sheppard, D. R. & S. Ware	Newport	306	128	*62 95	June 20, 1909	1 year
Sheppard, E. R. & Smith, Henry	Newport	307	100	50 00	June 20, 1909	1 year
Shropshire, Edward	Haleyville	301	84	42 00	June 20, 1909	1 year
Shropshire, Geo., Mrs.	Mauricetown	308	10	5 00	June 20, 1909	1 year
Shull, Bolton A.	Dividing Creek	325	6	5 00	June 20, 1909	1 year
Shull, Harry	Newport	314	14	7 00	June 20, 1909	1 year
Shull, John L.	Newport	302	226	*110 20	June 20, 1909	1 year
Simms, Benjamin W.	Cedarville	305	59	29 50	June 20, 1909	1 year
Simpkins, Thomas	Cedarville	321	80	40 00	June 20, 1909	1 year
Smith, Asa C., & Seth S.	Leesburg	313	87	43 50	June 20, 1909	1 year
Snell, Warrle H.	Port Norris	295	22	11 00	June 20, 1909	1 year
Sockwell, Howard W.	Port Norris	296	432	*220 55	June 20, 1909	1 year
Stites, E., & F. L.	Dividing Creek	317	46	23 00	June 20, 1909	1 year
Garrison	Port Norris	315	295	*154 15	June 20, 1909	1 year
Stites, Edmund, Jr.	Port Norris	319	18	9 00	June 20, 1909	1 year
Stites, Edmund & Howard	Newport	312	28	*14 70	June 20, 1909	1 year
Stites, Gilbert	Dragston	316	38	19 00	June 20, 1909	1 year
Stites, E., Jr., & Wm. B. Newcomb	Port Norris	318	154	*76 65	June 20, 1909	1 year
Stites, Stites & Newcomb	Newport	330	17	8 50	June 20, 1909	1 year
Sutter & Robbins	Port Norris	304	13	6 50	June 20, 1909	1 year
Sutton, Joseph	Leesburg	323	80	*41 75	June 20, 1909	1 year
Sutton, William G.	Bridgeton	341	7	5 00	June 20, 1909	1 year
Taylor, O. D.	Port Norris	331	11	5 50	June 20, 1909	1 year
Terry, George N.	Dividing Creek	342	32	*13 90	June 20, 1909	1 year
Terry & Terry	Dividing Creek	332	109	54 50	June 20, 1909	1 year
Terry & Veal	Dividing Creek	344	30	15 00	June 20, 1909	1 year
Tongue & Moore	Cedarville	346	109	54 50	June 20, 1909	1 year
Townsend, Mark	Port Norris	337	40	*20 90	June 20, 1909	1 year
Townsend, Stacy	Leesburg	339	35	17 50	June 20, 1909	1 year
Tozour & Foster	Delmont	339	35	17 50	June 20, 1909	1 year

OYSTER BED LEASES—DELAWARE BAY—Continued.

NAME	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Turner, James A., Jr.	Newport	333	36	18 00	June 20, 1909	1 year
Turner, Learning	Dividing Creek	335	43	21 50	June 20, 1909	1 year
Turner, May	Newport	334	16	8 00	June 20, 1909	1 year
Turpin, Collins	Mauricetown	345	10	5 00	June 20, 1909	1 year
Van Vliet, William	Newport	346	15	7 50	June 20, 1909	1 year
Veal & Loper	Dividing Creek	348	314	*160 60	June 20, 1909	1 year
Veal, Moses	Dividing Creek	347	18	9 00	June 20, 1909	1 year
Veal, William	Dividing Creek	350	16	8 00	June 20, 1909	1 year
Wallen, Whitaker & Wallen	Fairton	353	270	135 00	June 20, 1909	1 year
Webb & Swank	Port Norris	360	9	5 00	June 20, 1909	1 year
Westcott & Trenchard	Fairton	354	142	*71 70	June 20, 1909	1 year
Whilden & Elmer	Fairton	355	61	30 50	June 20, 1909	1 year
Whilden, John H.	Fairton	356	16	8 00	June 20, 1909	1 year
Whilden, Somers H.	Mauricetown	358	32	16 00	June 20, 1909	1 year
Windfohr, Arthur	Bivalve	359	36	18 00	June 20, 1909	1 year
Yates, Hoffman & Robbins	Port Norris	369	223	111 50	June 20, 1909	1 year
Yates, Lucius E.	Port Norris	367	274	*138 40	June 20, 1909	1 year
Yates & Peterson	Port Norris	366	100	50 00	June 20, 1909	1 year
Yates, Yates & Peterson	Port Norris	368	104	52 00	June 20, 1909	1 year
Yates & Sheppard	Mauricetown	370	20	10 00	June 20, 1909	1 year

*Indicates a credit or debit owing to 1908 rental collected on estimated area, since corrected by survey.

Oyster Bed Leases—Raritan Bay.

NAME	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Berbach, Walter S.	Keyport	18	17	\$17 00	June 20, 1909	1 year
DeGroot, William	Keyport	1	57½	57 50	June 20, 1909	1 year
Hammer & Son	Keyport	2	42¼	42 25	June 20, 1909	1 year
Mason, John W.	Keyport	6	14¾	14 75	June 20, 1909	1 year
Mason, Lorenzo G.	Keyport	7	35	35 00	June 20, 1909	1 year
Maurer, William	Keyport	9	81¾	81 50	June 20, 1909	1 year
Post, Garret E.	Keyport	3	91¾	91 75	June 20, 1909	1 year
Woolley, William E.	Keyport	5	157½	157 50	June 20, 1909	1 year

Oyster Bed Leases—Ocean County.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Abbott, John	Port Republic	84	11	\$5 50	Dec. 31, 1909	1 year
Abbott, William	Manahawkin	707-745	20	10 00	Aug. 1, 1909	1 year
Adams, Elmer	Port Republic	43	11	5 50	Dec. 31, 1909	1 year
Adams, Ernest G.	New Gretna	68	2	1 00	Dec. 31, 1909	1 year
Adams, H. E.	New Gretna	53	4	2 00	Aug. 1, 1909	1 year
Adams, John	New Gretna	105-106	16	8 00	Dec. 31, 1909	1 year
Allen, Caleb F., & Grey, John	New Gretna	11-12-72	7	3 50	Dec. 31, 1909	1 year
Allen, Charles H.	New Gretna	116½	2	1 00	Aug. 1, 1909	1 year
Allen, Chas. H.	New Gretna	74-114	11	5 50	Dec. 31, 1909	1 year
Allen, Chas. Allen	New Gretna	115-134	6	3 00	Dec. 31, 1909	1 year
Allen, Chester	New Gretna	144	2	1 00	Aug. 1, 1909	1 year
Allen, Edward K.	New Gretna	67	3	1 50	Dec. 31, 1909	1 year
Allen, Jas. K.	New Gretna	135	2	1 00	Dec. 31, 1909	1 year
Allen, John	New Gretna	33-34-69	5	2 50	Dec. 31, 1909	1 year
Allen, Jos. B.	Tuckerton	8½-79½	3	3 00	Aug. 1, 1909	1 year
Allen, Jos. B., Jr.	Tuckerton	8-79	12	6 00	Dec. 31, 1909	1 year
Allen, Lawrence	Tuckerton	30	2	1 00	Dec. 31, 1909	1 year
Allen, Samuel B.	New Gretna	97-181	13	6 50	Aug. 1, 1909	1 year
Allen, Thomas A.	New Gretna	148	3	1 50	Aug. 1, 1909	1 year
Allen, Thomas A.	Tuckerton	81-90	4	2 00	Dec. 31, 1909	1 year
Allen, Thomas A.	Tuckerton	27-37	5	2 50	Dec. 31, 1909	1 year
Allen, T. Jefferson	Tuckerton	13-14	5	2 50	Dec. 31, 1909	1 year
Allen, Uriah	New Gretna	39	2	1 00	Dec. 31, 1909	1 year
Allen, W. & C.	New Gretna	148	2	1 00	Aug. 1, 1909	1 year
Allen, Walter S.	Tuckerton	171	4	2 00	Aug. 1, 1909	1 year
Allen, W. S., & S. B.	New Gretna	76	2	1 00	Dec. 31, 1909	1 year
Allen, Walter & Samuel E.	New Gretna	80½-25½	4	2 00	Aug. 1, 1909	1 year
Allen, Washington	New Gretna	75-9	7	3 50	Dec. 31, 1909	1 year
Anderson, Samuel S.	Tuckerton	170	3	1 50	Aug. 1, 1909	1 year
Anderson, S., & S. Jones	Tuckerton	322-397*	13	6 50	Aug. 1, 1909	1 year
Austin, F. E.	Tuckerton	388	5	2 50	Aug. 1, 1909	1 year
Bailey, Samuel	Toms River	483-484	4	2 00	Aug. 1, 1909	1 year
Bartlett, A. R.	Tuckerton	16	6	3 00	Dec. 31, 1909	1 year
Bartlett, Chas. P.	West Creek	491	4	2 00	Dec. 31, 1909	1 year
Bates, Henry	Port Republic	76-94-298	9	4 50	Dec. 31, 1909	1 year
Bennett, Josiah	Tuckerton	103	22	11 00	Dec. 31, 1909	1 year
Berry, E. M.	Tuckerton	426	2	1 00	Aug. 1, 1909	1 year
Bird, James	Tuckerton	405-406	5	2 50	Aug. 1, 1909	1 year
Birdsall, Jesse	Barnegat	150	3	1 50	Dec. 31, 1909	1 year
Bogan, R. S.	New Gretna	20	2	1 00	Aug. 1, 1909	1 year
Bowen, Calvin E.	Tuckerton	22-122-	27	13 50	Dec. 31, 1909	1 year
Bowen, Clark	Leeds Point	113	2	1 00	April 1, 1909	1 year
Bowen, Porter E.	Tuckerton	*	5	2 50	Aug. 1, 1909	1 year
Bowker, William	Barnegat	164	3	1 50	Aug. 1, 1909	1 year
Brand, George W.	Tuckerton	419	5	2 50	Aug. 1, 1909	1 year
Brinley, Alexander	Lanoka	2-12	2	1 00	Aug. 1, 1909	1 year
Brown, Ezra P.	West Creek	27	8	4 00	Aug. 1, 1909	1 year
Brown, James D.	Tuckerton	816-285-90	20	10 00	Dec. 31, 1909	1 year
Brown, John W.	Tuckerton	187-153-	2	1 00	Aug. 1, 1909	1 year
Brown, Markley	Tuckerton	185-197	6	3 00	Aug. 1, 1909	1 year
Brown, Walter P.	Tuckerton	*	4	2 00	Aug. 1, 1909	1 year
Brown, Walter & Regan, Helen	Tuckerton	308	3	1 50	Dec. 31, 1909	1 year
Bunnell, Chas. & Ephraim	Lanoka	*	6	3 00	April 1, 1909	1 year
Burton Bros.	Tuckerton	454-481*	17	8 50	Aug. 1, 1909	1 year
Cavleer, Fillmore	Port Republic	42	2	1 00	Dec. 31, 1909	1 year
Chandler, Gilbert	Port Republic	121	2	1 50	Dec. 31, 1909	1 year
Chandler, Alex.	Barnegat	7	2	1 00	Aug. 1, 1909	1 year
Chew, Benjamin	New Gretna	3-4-5-117	8	4 00	Dec. 31, 1909	1 year
Chew, William H.	New Gretna	1	3	1 50	Aug. 1, 1909	1 year
Cobb, Alonzo & Sons	Staffordville	160	3	1 50	Dec. 31, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Cobb, Jonathan	Mayetta	43-4	6	3 00	Dec. 31, 1909	1 year
Cobb, Thomas	Cedar Run	929	4	2 00	Aug. 1, 1909	1 year
Conklin, Amariah	Cedar Run	34½	3	1 50	Dec. 31, 1909	1 year
Conklin, Calvin	Cedar Run	12	2	1 00	Aug. 1, 1909	1 year
Conklin, Chas. W.	Cedar Run	860	2	1 00	Aug. 1, 1909	1 year
Conklin, Lewis A.	Cedar Run	46-23	3	4 00	Dec. 31, 1909	1 year
Conklin, Nehemiah	Cedar Run	20	6	3 00	Dec. 31, 1909	1 year
Conklin, P. H.	Cedar Run	874	2	1 00	Aug. 1, 1909	1 year
Conklin, Robert	Cedar Run	13	2	1 00	Aug. 1, 1909	1 year
Conklin, Samuel B.	Cedar Run	34½-17½	4	2 00	Dec. 31, 1909	1 year
Conklyn, S. G.	Cedar Run	22½-22	8	4 00	Dec. 31, 1909	1 year
Conover, Chas. H.	Tuckerton	41	4	2 00	Dec. 31, 1909	1 year
Cornelius, John	Bayville	456-315	10	5 00	Aug. 1, 1909	1 year
Cowperthwaite, Henry	Beach Haven	*	3	1 50	April 1, 1909	1 year
Cox Bros. & Leigh	West Creek	287-246-189	21	10 50	Dec. 31, 1909	1 year
Cox, Chas.	Barnegat	190	26	13 00	Aug. 1, 1909	1 year
Cox, C. H. & N. E.	West Creek	934-908	15	7 50	Aug. 1, 1909	1 year
Cox, George M.	West Creek	546	2	1 00	Aug. 1, 1909	1 year
Cox, Harry & Wm.	Tuckerton	53	4	2 00	Dec. 31, 1909	1 year
Cox, Jas.	Barnegat	105-129	8	4 00	Dec. 31, 1909	1 year
Cox, John & Jonathan	West Creek	232-181-99	4	2 00	Dec. 31, 1909	1 year
Cox, William E.	West Creek	427-470-854	19	9 50	Aug. 1, 1909	1 year
Cranmer, A. E.	Barnegat	473*	3	1 50	Aug. 1, 1909	1 year
Cranmer, Augustus G.	Cedar Run	39	8	4 00	Aug. 1, 1909	1 year
Cranmer, Albert S.	West Creek	142	4	2 00	Dec. 31, 1909	1 year
Cranmer, Amariah & Levi	Cedar Run	128-812-166	17	8 50	Dec. 31, 1909	1 year
Cranmer, Arnold	New Gretna	176-178-79	5	2 50	April 1, 1909	1 year
Cranmer, Ashbrook	Cedar Run	7-43	2	1 00	Aug. 1, 1909	1 year
Cranmer, Benjamin	Cedar Run	862	4	2 00	Dec. 31, 1909	1 year
Cranmer, Benjamin R.	Cedar Run	27	2	1 00	Dec. 31, 1909	1 year
Cranmer, Caleb S. & Son	New Gretna	102	3	1 50	Dec. 31, 1909	1 year
Cranmer, Charles C.	New Gretna	25	3	1 50	Dec. 31, 1909	1 year
Cranmer, C. S.	New Gretna	2	2	1 00	Dec. 31, 1909	1 year
Cranmer, C. Harry	New Gretna	25-71	5	2 50	Dec. 31, 1909	1 year
Cranmer, Daniel D.	New Gretna	474-174-802	32	16 00	Aug. 1, 1909	1 year
Cranmer, Earl	Manahawkin	252-336½	5	2 50	Dec. 31, 1909	1 year
Cranmer, Ellis	Staffordville	31-3	3	1 50	Aug. 1, 1909	1 year
Cranmer, Elmer	Manahawkin	383	3	1 50	Aug. 1, 1909	1 year
Cranmer, E. F.	West Creek	38½	4	2 00	Dec. 31, 1909	1 year
Cranmer, T. Frank	Manahawkin	18½-10	12	6 00	Dec. 31, 1909	1 year
Cranmer, Frank W.	Staffordville	80-94-172	5	2 50	Aug. 1, 1909	1 year
Cranmer, Fred G.	Cedar Run	129	4	2 00	Aug. 1, 1909	1 year
Cranmer, G. Augustus	Cedar Run	128	2	1 00	Dec. 31, 1909	1 year
Cranmer, Harry E.	Cedar Run	139	13	6 50	Dec. 31, 1909	1 year
Cranmer, Harvey G.	Cedar Run	133-138	6	3 00	May 1, 1909	1 year
Cranmer, Howard	Cedar Run	*	5	2 50	Aug. 1, 1909	1 year
Cranmer, Irving J.	Mayetta	904	6	3 00	Aug. 1, 1909	1 year
Cranmer, James A.	Staffordville	701-720-735	2	1 00	Aug. 1, 1909	1 year
Cranmer, James H.	Manahawkin	83	12	6 00	Aug. 1, 1909	1 year
Cranmer, Jos. Budd, Est.	Manahawkin	869-47	4	2 00	Dec. 31, 1909	1 year
Cranmer, Jos. Thomas	Manahawkin	55-56	3	1 50	Aug. 1, 1909	1 year
Cranmer, Jos. W.	West Creek	879	6	2 50	Aug. 1, 1909	1 year
Cranmer, Lemuel	New Gretna	461-2	4	2 00	Dec. 31, 1909	1 year
Cranmer, Lev	Cedar Run	461½	2	1 00	Aug. 1, 1909	1 year
Cranmer, Mattias	Mayetta	870	4	2 00	April 1, 1909	1 year
Cranmer, Samuel B.	Cedar Run	14	2	1 00	Dec. 31, 1909	1 year
Cranmer, S. G.	Cedar Run	8	4	2 00	Aug. 1, 1909	1 year
Cranmer, T. Frank	Manahawkin	208-221	13	6 50	Dec. 31, 1909	1 year
Cranmer, Wm. H.	Manahawkin	721*	6	3 00	Aug. 1, 1909	1 year
Cranmer, Wm. H.	Manahawkin	757-718	13	6 50	Aug. 1, 1909	1 year
Cranmer, Wm. H.	Manahawkin	*	13	6 50	Aug. 1, 1909	1 year
Cranmer, Wm. H.	Manahawkin	709-703-705	13	6 50	Aug. 1, 1909	1 year
Cranmer, Wm. H.	Manahawkin	727-733	13	6 50	Aug. 1, 1909	1 year
Cranmer, Wm. H.	Manahawkin	813	4	2 00	Dec. 31, 1909	1 year
Cranmer, Wm. H.	Manahawkin	48	6	3 00	Dec. 31, 1909	1 year
Cranmer, Wm. H.	Manahawkin	33	4	2 00	Dec. 31, 1909	1 year
Cranmer, Wm. H.	Manahawkin	9-876	33	16 50	Aug. 1, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Cranmer, Lewis A.	Cedar Run	29	3	1 50	Dec. 31, 1909	1 year
Cranmer, Noah	Manahawkin	717-746	5	2 50	Aug. 1, 1909	1 year
Cranmer, Oliver T. & N. B. Cox.	West Creek	42-17-501-186	11	5 50	Dec. 31, 1909	1 year
Cranmer, Oscar C.	West Creek	151-170-139	8	4 00	Dec. 31, 1909	1 year
Cranmer, P. H.	Staffordville	1	3	1 50	Aug. 1, 1909	1 year
Cranmer, Samuel	Cedar Run	26	6	3 00	Dec. 31, 1909	1 year
Cranmer, Samuel R.	West Creek	871	2	1 00	Aug. 1, 1909	1 year
Cranmer, Samuel & Jos.	West Creek	60	2	1 00	Dec. 31, 1909	1 year
Cranmer, Thomas	Cedar Run	199	6	3 00	Dec. 31, 1909	1 year
Cranmer, Thomas H.	Manahawkin	24	8	4 00	Dec. 31, 1909	1 year
Cranmer, Thomas H.	Manahawkin	725-740 734 738-704-700 723*-719*	38	19 00	Aug. 1, 1909	1 year
Cranmer, Walter H.	Cedar Run	465	20	10 00	April 1, 1909	1 year
Cranmer, William E.	Manahawkin	11-51-10½	8	4 00	Dec. 31, 1909	1 year
Cummings, Chas.	Parkertown	*-38	14	7 00	Dec. 31, 1909	1 year
Cummings, Eugene	Parkertown	912	5	2 50	Aug. 1, 1909	1 year
Cummings, Joseph	Parkertown	810-849-903	9	4 50	Aug. 1, 1909	1 year
Cummings, Joseph & Sons	New Gretna	801	6	3 00	Aug. 1, 1909	1 year
Cummings, Silas & Chas.	Parkertown	800	9	4 50	Aug. 1, 1909	1 year
Cummings, W. H.	Parkertown	907	10	5 00	Oct. 1, 1909	1 year
Darby, J. W.	New Gretna	844	3	1 50	Nov. 1, 1909	1 year
Davis, Jas. W.	Audubon	23-66-28-29	14	7 00	Dec. 31, 1909	1 year
Driscoll, E.	Tuckerton	835	9	4 50	Nov. 1, 1909	1 year
Driscoll, Harry	Tuckerton	154	2	1 00	Dec. 31, 1909	1 year
Driscoll, Huston	Tuckerton	404	2	1 00	Aug. 1, 1909	1 year
Driscoll, Reuben	Tuckerton	446	6	3 00	Aug. 1, 1909	1 year
Dunfee, Israel	Mayetta	402-447	5	2 50	Dec. 31, 1909	1 year
Dunfee, Thomas	Mayetta	*-943	6	3 00	Aug. 1, 1909	1 year
Dunfee, William	Mayetta	872	3	1 50	Aug. 1, 1909	1 year
Bayres, Alphonso	Barnegat	853	2	1 00	Aug. 1, 1909	1 year
Estlow, Sadoc	Barnegat	5-6	12	6 00	Aug. 1, 1909	1 year
Everham, Benjamin	Toms River	35-38	28	14 00	Aug. 1, 1909	1 year
Falkenburg Bros.	Tuckerton	498½	5	2 50	Dec. 31, 1909	1 year
Fenimore, Allen	West Creek	* 138-111	2	1 00	Aug. 1, 1909	1 year
Fenimore, A., & Cranmer, O.	West Creek	53-54-200-502	12	6 00	Dec. 31, 1909	1 year
Fiske, Horace	Tuckerton	120	2	1 00	Aug. 1, 1909	1 year
Fiske, H. & L.	Tuckerton	126	9	4 50	Dec. 31, 1909	1 year
Fort, Abram	Barnegat	385½	5	2 50	Aug. 1, 1909	1 year
Frazier, Frank	Tuckerton	36	2	1 00	Aug. 1, 1909	1 year
French, Lewis M.	Port Republic	*	2	1 00	Dec. 31, 1909	1 year
Gale, Alfred	Tuckerton	127	7	3 50	Dec. 31, 1909	1 year
Gale, E. A.	Tuckerton	155	4	2 00	Dec. 31, 1909	1 year
Gale, Harvey E.	Tuckerton	*	3	1 50	Aug. 1, 1909	1 year
Gale, William H.	Tuckerton	333	2	1 00	Aug. 1, 1909	1 year
Garrison, Benjamin H.	Tuckerton	311	9	4 50	April 1, 1909	1 year
Garrison, Eugene	Tuckerton	102-153	6	3 00	Dec. 31, 1909	1 year
Gaskill, Carlisle	New Gretna	*	5	2 50	Aug. 1, 1909	1 year
Gaskill, Jeremiah	Tuckerton	464	8	4 00	Aug. 1, 1909	1 year
Gaskill, Jesse	New Gretna	*-332	3	1 50	Dec. 31, 1909	1 year
Gaskill, T. J.	New Gretna	145	5	2 50	Oct. 1, 1909	1 year
Gaskill, Wm. F.	Tuckerton	60	6	3 00	Aug. 1, 1909	1 year
Grant, Herschel	Lanoka	182-131	10	5 00	Dec. 31, 1909	1 year
Grant, Jesse	Bayville	56-64-83	6	3 00	Aug. 1, 1909	1 year
Grant, John	Lanoka	346	6	3 00	Aug. 1, 1909	1 year
Grant, John	Lanoka	31	5	2 50	April 1, 1909	1 year
Grant, Nelson	Lanoka	28	10	5 00	Dec. 31, 1909	1 year
Grant, S. T.	Lanoka	20	13	6 50	Aug. 1, 1909	1 year
Grant, William (Mrs.)	Lanoka	32	5	2 50	Dec. 31, 1909	1 year
Kelley, N. E.	West Creek	34	7	3 50	Dec. 31, 1909	1 year
Kelley, Presgrove	West Creek	33	4	2 00	April 1, 1909	1 year
		30	6	3 00	Aug. 1, 1909	1 year
		1	21	10 50	Aug. 1, 1909	1 year
		848-826	8	4 00	Aug. 1, 1909	1 year
		850	2	1 00	Aug. 1, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Kelley, T. C.	West Creek	210-240	14	7 00	Dec. 31, 1909	1 year
Kelley, T. C. & Sons	West Creek	902-852-833 283-248-92-100 104-177-174-207 242-237	35	17 50	Aug. 1, 1909	1 year
King, John	Barnegat	4	3	1 50	Aug. 1, 1909	1 year
Kumpf, Bros.	Tuckerton	444	3	1 50	Oct. 1, 1909	1 year
Lamson, Joel W.	Cedar Run	28-5	5	2 50	Dec. 31, 1909	1 year
Lamson, Joseph A.	Cedar Run	30	5	2 50	Dec. 31, 1909	1 year
Leeds, Risley	Leeds Point	867	2	1 00	Oct. 1, 1909	1 year
Leigh, A. J. (Mrs.)	West Creek	40	3	1 50	Oct. 31, 1909	1 year
Lemunyon, Bradford	West Creek	129½	2	1 00	Aug. 1, 1909	1 year
Letts, Nathan	Manahawkin	202	2	1 00	Dec. 31, 1909	1 year
Letts, Pruden	Manahawkin	64	15	7 50	Aug. 1, 1909	1 year
Letts, Sela	Manahawkin	730-748-756 744-732-714-754	11	5 50	Aug. 1, 1909	1 year
Letts, Thos. H.	Manahawkin	747-728	19	9 50	Aug. 1, 1909	1 year
Lipincott, Wm.	Tuckerton	749-729-731	13	6 50	Aug. 1, 1909	1 year
Loveland, Benjamin	New Gretna	480	2	1 00	Aug. 1, 1909	1 year
Loveland, Jesse A.	New Gretna	52	5	2 50	Dec. 31, 1909	1 year
Loveland, Jesse I.	New Gretna	54-141	8	4 00	Aug. 1, 1909	1 year
Loveland, Jos. A.	Port Republic	120	10	5 00	Dec. 31, 1909	1 year
Loveland, William	New Gretna	92	3	1 50	Dec. 31, 1909	1 year
Loveland, William E.	New Gretna	71	2	1 00	Dec. 31, 1909	1 year
Luker, Stephen	Tuckerton	49	5	2 50	Aug. 1, 1909	1 year
Marshall Bros.	Tuckerton	183	2	1 00	Aug. 1, 1909	1 year
Marshall, Geo. L.	Tuckerton	51	3	1 50	Dec. 31, 1909	1 year
Marshall, Geo. & Jas.	Tuckerton	348	3	1 50	Aug. 1, 1909	1 year
Marshall, Harry	Beach Haven	434	2	1 00	Aug. 1, 1909	1 year
Marshall, James	Tuckerton	433	7	3 50	Aug. 1, 1909	1 year
Marshall, Noah	Tuckerton	313	8	4 00	Dec. 31, 1909	1 year
Martin, Humphrey	Manahawkin	307	4	2 00	Aug. 1, 1909	1 year
Martin, Shreve	Manahawkin	432	5	2 50	Aug. 1, 1909	1 year
Mathis, Alvin E.	New Gretna	420*	10	5 00	Aug. 1, 1909	1 year
Mathis, Arnold	Tuckerton	706	30	15 00	Dec. 31, 1909	1 year
Mathis, Asbury	New Gretna	756	5	2 50	Aug. 1, 1909	1 year
Mathis, Caleb A.	New Gretna	73-82	4	2 00	Aug. 1, 1909	1 year
Mathis, Daniel E.	New Gretna	50	2	1 00	Dec. 31, 1909	1 year
Mathis, Floyd	Tuckerton	61	5	2 50	Aug. 1, 1909	1 year
Mathis, Frank	Leeds Point	180	5	2 50	Aug. 1, 1909	1 year
Mathis, Harry V.	New Gretna	165	8	4 00	Dec. 31, 1909	1 year
Mathis, Ira	Tuckerton	91	2	1 00	Dec. 31, 1909	1 year
Mathis, John K.	New Gretna	158	4	2 00	Dec. 31, 1909	1 year
Mathis, Jos. A.	New Gretna	10-111-112 10½-111½	24	12 00	Dec. 31, 1909	1 year
Mathis, M. C.	New Gretna	6-58*-	7	3 50	Aug. 1, 1909	1 year
Mathis, Pitman	New Gretna	55	9	4 50	Dec. 31, 1909	1 year
Mathis, Walter R.	New Gretna	499	7	3 50	Dec. 31, 1909	1 year
Mathis, William A.	Tuckerton	*	2	2 00	Oct. 1, 1909	1 year
Mathis, William H.	New Gretna	16	2	1 00	Dec. 31, 1909	1 year
McAnney, John	New Gretna	147	3	1 50	Aug. 1, 1909	1 year
McCart, Timothy	New Gretna	19	3	1 50	Dec. 31, 1909	1 year
McCart, George	New Gretna	95-96	4	2 00	Dec. 31, 1909	1 year
McDaniels, William R.	Tuckerton	453*-	7	3 50	Aug. 1, 1909	1 year
Miller, Ensign	West Creek	15-70	7	3 50	Dec. 31, 1909	1 year
Mills, John	Barnegat	32-132	4	2 00	Dec. 31, 1909	1 year
Moore, Barclay	West Creek	18	5	2 50	Aug. 1, 1909	1 year
Morris, William A.	Tuckertown	32-132	10	5 00	April 1, 1909	1 year
Mott, Joel	Tuckerton	486-323½	8	4 00	Aug. 1, 1909	1 year
Parker, Adelbert	Parkertown	462	10	5 00	April 1, 1909	1 year
Parker, Chas. H.	Tuckerton	80	2	1 00	Dec. 31, 1909	1 year
Parker, Hansell	Parkertown	62	2	1 00	Aug. 1, 1909	1 year
Parker, Hazelton	Parkertown	112	2	1 00	Dec. 31, 1909	1 year
		936	6	3 00	Aug. 1, 1909	1 year
		326-472	7	3 50	Aug. 1, 1909	1 year
		123-109-110*	9	4 50	Dec. 31, 1909	1 year
		921	3	1 50	Aug. 1, 1909	1 year
		387-493	10	5 00	Dec. 31, 1909	1 year
		466	2	1 00	Aug. 1, 1909	1 year
		916-841	10	5 00	Nov. 1, 1909	1 year
		914	4	2 00	Aug. 1, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME	ADDRESS	No.	Acreage	Amount	Date	Term
Grant, William	West Creek	2	11	5 50	May 1, 1909	1 year
Grey, John A.	New Gretna	17-130	5	2 50	Dec. 31, 1909	1 year
Haywood, Frank	Manahawkin	1-2-703	12	6 00	Aug. 31, 1909	1 year
Haywood, J. P.	West Creek	179-173-414-204	9	4 50	Dec. 31, 1909	1 year
		350-814-292	28	14 00	Aug. 1, 1909	1 year
Headley, Parker C.	Tuckerton	78	2	1 00	Dec. 31, 1909	1 year
		452	5	2 50	Aug. 1, 1909	1 year
Heinrichs, Edward	Tuckerton	455	8	4 00	Aug. 1, 1909	1 year
Helfrisch, Jos.	Barnegat	24	6	3 00	Aug. 1, 1909	1 year
Hewitt, Jas.	Port Republic	*	2	1 00	Dec. 31, 1909	1 year
Hewitt, Nelson	Port Republic	44	2	1 00	Dec. 31, 1909	1 year
		184	4	2 00	Aug. 1, 1909	1 year
Higbee, Samuel	Port Republic	45	10	5 00	Dec. 31, 1909	1 year
		104	12	6 00	Aug. 1, 1909	1 year
Higbee, Somers T.	Leeds Point	176	3	1 50	Dec. 31, 1909	1 year
Hollingsworth, Geo.	Barnegat	46-10-22-27-	65	32 50	Aug. 1, 1909	1 year
		41-10	4	2 00	April 1, 1909	1 year
Holmes, Edward	Forked River	*	2	1 00	April 1, 1909	1 year
Holmes, John S.	Forked River	*	2	1 00	April 1, 1909	1 year
Holmes, Stephen	Forked River	*	2	1 00	April 1, 1909	1 year
Homan, Atmore	Parkertown	227½	6	3 00	Aug. 1, 1909	1 year
Homan, B. Frank	Parkertown	822*	7	3 50	Aug. 1, 1909	1 year
Homan, Frank	West Creek	58	2	1 00	Dec. 31, 1909	1 year
Homan, F. & Rutter, J. W.	West Creek	821*	16	8 00	Aug. 1, 1909	1 year
		152	2	1 00	Dec. 31, 1909	1 year
Homan, Joseph	Parkertown	851-216½	4	2 00	Oct. 1, 1909	1 year
Hornor, Chas. A.	Parkertown	828	5	2 50	Aug. 1, 1909	1 year
Hornor, Isaac	Parkertown	186	5	2 50	Aug. 1, 1909	1 year
Hornor, Samuel	Tuckerton	185	11	5 50	Dec. 31, 1909	1 year
Hornor, Samuel J.	Tuckerton	185	3	1 50	June 1, 1909	1 year
Hornor & Jones	Tuckerton	839	2	1 00	Aug. 1, 1909	1 year
Huntly, Charles	Port Republic	46*	4	2 00	Dec. 31, 1909	1 year
Inman, Vincent, Est.	Barnegat	28	6	3 00	Aug. 1, 1909	1 year
Inman, Lewis	Manahawkin	743	2	1 00	Aug. 1, 1909	1 year
Inman, Stephen	Barnegat	11-38	4	2 00	Aug. 1, 1909	1 year
Inman, Stephen, Jr.	Manahawkin	*	2	1 00	Aug. 1, 1909	1 year
Ireland, Mahlon	Tuckerton	*	4	2 00	Aug. 1, 1909	1 year
Jeffrey, Howard	Lanoka	1	10	5 00	May 1, 1909	1 year
Johnson, Cornelius	West Creek	935-194	Aug. 1, 1909	1 year		
Johnson, Cornelius	West Creek	941	14	7 00	Oct. 1, 1909	1 year
Johnson, Edward	West Creek	195	6	3 00	Aug. 1, 1909	1 year
Johnson, Isaiah	West Creek	930-193	5	2 50	Aug. 1, 1909	1 year
Jones, A. H.	West Creek	124-909-126-96	8	4 00	Dec. 31, 1909	1 year
		831-823	19	9 50	Aug. 1, 1909	1 year
Jones, A. J.	West Creek	122-89	4	2 00	Dec. 31, 1909	1 year
Jones, John F.	West Creek	845-284-127	13	6 50	Dec. 31, 1909	1 year
Jones, Jos. H.	Tuckerton	343	2	1 00	Aug. 1, 1909	1 year
Jones, Samuel A.	Tuckerton	398	3	1 50	Dec. 31, 1909	1 year
Jones, Samuel B.	Tuckerton	151	5	2 50	Dec. 31, 1909	1 year
Kelley, Alexis & Sons	West Creek	98-72-133-164	26	13 00	Dec. 31, 1909	1 year
		172-830	2	1 00	Dec. 31, 1909	1 year
Kelley, C. D.	West Creek	134	2	1 00	Dec. 31, 1909	1 year
Kelley, C. D., & G. Y. Schoch	West Creek	300-137*-143	65	32 50	Dec. 31, 1909	1 year
		163-463	6	3 00	Dec. 31, 1909	1 year
Kelley, Cornelius	West Creek	103-206	8	4 00	Aug. 1, 1909	1 year
Kelley, Eugene	West Creek	836-846	12	6 00	Oct. 1, 1909	1 year
		932-910	14	7 00	Dec. 31, 1909	1 year
Kelley, Hugh F.	West Creek	132-212-820-	10	5 00	Dec. 31, 1909	1 year
		87-188-500	11	5 50	Dec. 31, 1909	1 year
Kelley, Jas. E.	West Creek	93-86-289	10	5 00	Dec. 31, 1909	1 year
Kelley, J. Harvey	West Creek	123-136-171-	10	5 00	Aug. 1, 1909	1 year
		825	2	1 00	Dec. 31, 1909	1 year
Kelley, J. Henry	West Creek	70	2	1 00	Dec. 31, 1909	1 year
Kelley, James W.	Tuckerton	436	6	3 00	Aug. 1, 1909	1 year
		498¾	3	1 50	Aug. 1, 1909	1 year
Kelley, Job	West Creek	838	6	3 00	Aug. 1, 1909	1 year
Kelley, Lizzie (Mrs.)	West Creek	241	2	1 00	Dec. 31, 1909	1 year
Kelley, Mannus	West Creek	69	3	1 50	Dec. 31, 1909	1 year
		297	7	3 50	Aug. 1, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME	ADDRESS	No.	Acreage	Amount	Date	Term
Kelley, Myles	West Creek	135	3	1 50	Dec. 31, 1909	1 year
		847-140	5	2 50	Aug. 1, 1909	1 year
Parker, John N.	Parkertown	924	2	1 00	Aug. 1, 1909	1 year
Parker, J. W. & Bros.	Tuckerton	492-428-318	42	21 00	Aug. 1, 1909	1 year
		321-325*-*	5	2 50	Aug. 1, 1909	1 year
Parker, J. W. & Bros.	Tuckerton	*	6	3 00	Aug. 1, 1909	1 year
Parker, J. W. & Sons	Parkertown	803	2	1 00	Dec. 31, 1909	1 year
Parker, Nelson	Parkertown	227	4	2 00	Aug. 1, 1909	1 year
		834	6	3 00	Dec. 31, 1909	1 year
Parker, Norris L.	Parkertown	*	11	5 50	Aug. 1, 1909	1 year
Parker, Norwood	Parkertown	*-811	10	5 00	Aug. 1, 1909	1 year
Parker, Philip	Parkertown	263	5	2 50	Aug. 1, 1909	1 year
Parker, Roy	Parkertown	827	5	2 50	Aug. 1, 1909	1 year
Parker, Rudolph	Parkertown	804	3	1 50	Aug. 1, 1909	1 year
Parker, Samuel B.	Tuckerton	396-395*-341	26	13 00	Aug. 1, 1909	1 year
Parker, Thomas	Parkertown	926	5	2 50	Aug. 1, 1909	1 year
Patterson, Cortemus	Manahawkin	702½	2	1 00	Aug. 1, 1909	1 year
Patterson & Cobb	Collingswood	37-45	8	4 00	Dec. 31, 1909	1 year
Perrine, Ella	Barnegat	5	2	1 00	Aug. 1, 1909	1 year
Perrine, Samuel	Barnegat	31-82*	6	3 00	Aug. 1, 1909	1 year
Peterson, W.	Barnegat	40	2	1 00	Aug. 1, 1909	1 year
Pharo, Aaron	West Creek	234-73	5	2 50	Dec. 31, 1909	1 year
Pharo, Frank	West Creek	81-255	6	3 00	Dec. 31, 1909	1 year
Pharo, Frank	West Creek	824	3	1 50	Aug. 1, 1909	1 year
Pharo, Watson L.	West Creek	256-196-819	9	4 50	Dec. 31, 1909	1 year
Pharo, William E.	West Creek	837	2	1 00	Aug. 1, 1909	1 year
Phillips, Randolph	Barnegat	*	10	5 00	April 1, 1909	1 year
Pitt, William	West Creek	109-168	4	2 00	Dec. 31, 1909	1 year
Potter, Edward F.	West Creek	26	5	2 50	Aug. 1, 1909	1 year
Potter, W. H.	West Creek	217-126-157-	20	10 00	Dec. 31, 1909	1 year
		198	11	5 50	Dec. 31, 1909	1 year
Price, Abram	Parkertown	815	4	2 00	Aug. 1, 1909	1 year
Price, Clarence	Parkertown	809	5	2 50	Aug. 1, 1909	1 year
Price, Mason	Parkertown	802	3	1 50	Dec. 31, 1909	1 year
Pullen, Barzillai	Tuckerton	308	19	9 50	Aug. 1, 1909	1 year
		-417-340-	9	4 50	April 1, 1909	1 year
		479	2	1 00	Aug. 1, 1909	1 year
		418-441-443-	3	1 50	Dec. 31, 1909	1 year
		478	5	2 50	Oct. 1, 1909	1 year
Pullen, Chas. K.	Tuckerton	416	3	1 50	Dec. 31, 1909	1 year
Pullen, Frank	Tuckerton	160	5	2 50	Oct. 1, 1909	1 year
Quinn, Edw.	Tuckerton	*	13	6 50	Dec. 31, 1909	1 year
Quinn, Geo.	Tuckerton	393*-389-347	9	4 50	Aug. 1, 1909	1 year
Rider, Arthur T.	Beach Haven	342	34	17 00	Aug. 1, 1909	1 year
Rider, Anson J. & Sons	Tuckerton	442-451-424-	5	2 50	Aug. 1, 1909	1 year
		422-412-465	16	8 00	Aug. 1, 1909	1 year
		*	11	5 50	Aug. 1, 1909	1 year
Ridgway, Edw.	Barnegat	45-20	2	1 00	Aug. 1, 1909	1 year
Ridgway, J. K.	Barnegat	14-19-11*	2	1 00	Aug. 1, 1909	1 year
Ridgway, Oscar	Barnegat	1-8-13	2	1 00	Aug. 1, 1909	1 year
Ridgway, William	Barnegat	8	2	1 00	Aug. 1, 1909	1 year
Ripley, John	West Creek	110	10	5 00	Aug. 1, 1909	1 year
		900	12	6 00	Dec. 31, 1909	1 year
Robbins, Chas.	New Gretna	35-36-86-87-	6	3 00	Dec. 31, 1909	1 year
		65	2	1 00	Aug. 1, 1909	1 year
Robbins, L. D.	New Gretna	118-89-93	3	1 50	April 1, 1909	1 year
Robbins, William	Barnegat	42	14	7 00	Dec. 31, 1909	1 year
Rossell, Louis G.	Tuckerton	*	2	1 00	Aug. 1, 1909	1 year
Rulon, Harper	West Creek	201-159-75	8	4 00	Aug. 1, 1909	1 year
		291	2	1 00	Aug. 1, 1909	1 year
Russell, Clarence	Barnegat	23	8	4 00	Aug. 1, 1909	1 year
Russell, Holmes	Barnegat	84-37-54	6	3 00	Dec. 31, 1909	1 year
Rutter, John W.	West Creek	841-232	3	1 50	Aug. 1, 1909	1 year
		942	12	6 00	Dec. 31, 1909	1 year
Rutter & Haywood	West Creek	68-244-97-	2	1 00	Aug. 1, 1909	1 year
		65	6	3 00	Dec. 31, 1909	1 year
Rutter, C. Roy	West Creek	185	2	1 00	Aug. 1, 1909	1 year
Rutter, J. W., & Kelley, J.	West Creek	169	3	1 50	Dec. 31, 1909	1 year
Rutter, R. F.	West Creek	175-191-203-	20	10 00	Dec. 31, 1909	1 year
		183	15	7 50	Aug. 1, 1909	1 year
		817				

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Rutter, T. H.	Barnegat	44	2	1 00	Aug. 1, 1909	1 year
Salmons, Abram B.	Staffordville	458½	2	1 00	Aug. 1, 1909	1 year
Salmons, Daniel	West Creek	147	2	1 50	Aug. 1, 1909	1 year
Salmons, Joel J.	Staffordville	52		Dec. 31, 1909	1 year	
		454	6	3 00	Aug. 1, 1909	1 year
Sapp, H. W.	Tuckerton	312-309-387-394		16 00	Aug. 1, 1909	1 year
Sapp, Jos. E.	Tuckerton	487-475-482-334-324-489-498½	32	23 50	Dec. 31, 1909	1 year
Sapp, Walter L.	Tuckerton	314-490	13	6 50	Aug. 1, 1909	1 year
Sawyer, Joseph	Tuckerton	323	20	10 00	Aug. 1, 1909	1 year
Sawyer, Samuel R.	Tuckerton	356	6	3 00	Aug. 1, 1909	1 year
Seaman, Clarence	West Creek	82-145-162-842	9	4 50	Dec. 31, 1909	1 year
Seaman, Geo. A.	West Creek	84-144-156-239	24	12 00	Dec. 31, 1909	1 year
Seaman, Hazelton	West Creek	106-141-146-213-155	12	6 00	Dec. 31, 1909	1 year
Seaman, Josephus	West Creek	194-247	10	5 00	Aug. 1, 1909	1 year
Seaman, J. & H.	West Creek	66	2	1 00	Dec. 31, 1909	1 year
Seaman, William P.	West Creek	107-88-65	7	3 50	Dec. 31, 1909	1 year
Seaman, W. S.	West Creek	67-96-301-187	10	5 00	Dec. 31, 1909	1 year
Sears, William N.	New Gretna	47-146	14	7 00	Aug. 1, 1909	1 year
Shafto, Alvin	Manahawkin	737-739	16	8 00	May 1, 1909	1 year
Shinn, Alfred	West Creek	153	2	1 00	Dec. 31, 1909	1 year
Shinn, Chas. S., Jr.	Moorestown	114-214-224*	24	12 00	Dec. 31, 1909	1 year
Shinn, Edward L.	West Creek	233-74		Aug. 1, 1909	1 year	
		938-215	18	9 00	Dec. 31, 1909	1 year
		840*	2	1 00	Dec. 31, 1909	1 year
Shinn, Frank & Ed.	Moorestown	225	2	1 00	Dec. 31, 1909	1 year
Shinn, Harry S.	West Creek	220-209-161-906	25	12 50	Dec. 31, 1909	1 year
		222-148-236-229				
Shinn, John A.	West Creek	218-118-228-154	22	11 00	Dec. 31, 1909	1 year
		117-231	15	7 50	Aug. 1, 1909	1 year
		937-150				
Shinn, Samuel E. & Sons	West Creek	245-230-235-839-219	14	7 00	Dec. 31, 1909	1 year
Shinn, Thomas	West Creek	125-238	4	2 00	Dec. 31, 1909	1 year
Sooy, Daniel	New Gretna	24-59	10	5 00	Dec. 31, 1909	1 year
Soper, Chas. H.	Barnegat	9-33-56	11	5 50	Aug. 1, 1909	1 year
Soper, Philip	Barnegat	702½-716-713	7	3 50	Aug. 1, 1909	1 year
Smith, Henry P.	Tuckerton	445-477	5	2 50	Aug. 1, 1909	1 year
Smith, Jos. P.	Tuckerton	344	4	2 00	March 1, 1909	1 year
Smith, Samuel A.	Tuckerton	452½	6	3 00	Aug. 1, 1909	1 year
Smith, Samuel J. & Sons	Tuckerton	345	8	4 00	Aug. 1, 1909	1 year
Soper, Philip, & Letts, Pruden	Manahawkin	742	5	2 50	April 1, 1909	1 year
Speck, Jas. H.	Tuckerton	107	5	2 50	Aug. 1, 1909	1 year
Speck, Jas. H. & Bros.	Tuckerton	20-98-119-107	126	63 00	Dec. 31, 1909	1 year
Speck, William	Tuckerton	100-175	10	5 00	Dec. 31, 1909	1 year
Speck, William H.	Tuckerton	21	3	1 50	Dec. 31, 1909	1 year
Sprague, Albert	Tuckerton	471-437	8	4 00	Aug. 1, 1909	1 year
Sprague, Edwin B.	Staffordville	40	2	1 00	Dec. 31, 1909	1 year
Sprague, Frank	West Creek	877-861	4	2 00	Aug. 1, 1909	1 year
Sprague, Frank & John F.	West Creek	62-85	4	2 00	Dec. 31, 1909	1 year
Sprague, Henry	West Creek	78	2	1 00	Dec. 31, 1909	1 year
Sprague, John F.	West Creek	71	2	1 00	Dec. 31, 1909	1 year
Sprague, Joel H.	Beach Haven	457-386	8	4 00	Aug. 1, 1909	1 year
Sprague, John F.	West Creek	180	2	1 00	Dec. 31, 1909	1 year
Sprague, Lewis	Tuckerton	409-438*-*	13	6 50	Aug. 1, 1909	1 year
Sprague, Philip	Tuckerton	430-439*-*	15	7 50	Dec. 31, 1909	1 year
		410				
Sprague, Philip R.	West Creek	205-101-131	11	5 50	Dec. 31, 1909	1 year
		818-182				
Sprague, Reuben	West Creek	77	2	1 00	Dec. 31, 1909	1 year
Sprague, Samuel	Barnegat	39	2	1 00	Aug. 1, 1909	1 year
Sprague, William D.	West Creek	933-59	7	3 50	Aug. 1, 1909	1 year
Stevens, Chas.	Tuckerton	430½-443½	9	4 50	Dec. 31, 1909	1 year

OYSTER BED LEASES—OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Stiles, Alexis	Tuckerton	467	8	4 00	Aug. 1, 1909	1 year
Stiles, David	Tuckerton	26-385-317-7	22	11 00	Dec. 31, 1909	1 year
Stiles, Edward	Tuckerton	388	12	6 00	Aug. 1, 1909	1 year
Stiles, Elias	Tuckerton	448-336	14	7 00	Aug. 1, 1909	1 year
Stiles, Ezra	Tuckerton	392-403-408 335-413-425 407-431*-*	36	18 00	Dec. 31, 1909	1 year
		855	4	2 00	Aug. 1, 1909	1 year
Stiles, Herbert W.	Tuckerton	331	7	3 50	Aug. 1, 1909	1 year
Stiles, James, Jr.	Tuckerton	415	2	1 00	Dec. 31, 1909	1 year
Stiles, Willits	Tuckerton	351	16	8 00	Aug. 1, 1909	1 year
Taylor, Georgianna (Mrs.)	Bayville	17	5	2 50	Aug. 1, 1909	1 year
Throckmorton, Wm.	Manahawkin	755	2	1 00	Aug. 1, 1909	1 year
Truex, George C.	Mayetta	803	4	2 00	Aug. 1, 1909	1 year
Truex, Jos. J.	Mayetta	865	2	1 00	Aug. 1, 1909	1 year
Van Note, Holmes	Bayville	*	3	1 50	April 1, 1909	1 year
White, Adelbert	Tuckerton	488	4	2 00	Sept. 1, 1909	1 year
White, Chas.	Tuckerton	327-328-329	27	13 50	Aug. 1, 1909	1 year
White, David Mv.	Manahawkin	*	4	2 00	Aug. 1, 1909	1 year
White, Walter	Tuckerton	351	4	2 00	Aug. 1, 1909	1 year
Wilkins, Fred	Manahawkin	753	6	3 00	Aug. 1, 1909	1 year
Wilson, Amasa	Port Republic	*	2	1 00	Dec. 31, 1909	1 year
Wilson, Geo. & Pierce, Geo.	Port Republic	163-179	9	4 50	Aug. 1, 1909	1 year
Wilson, John H.	Port Republic	41	2	1 00	Dec. 31, 1909	1 year
Wood, R. A.	West Creek	226	2	1 00	Dec. 31, 1909	1 year

*Indicates a lot not surveyed 1909.

Oyster Bed Leases—Shark River.

NAME.	ADDRESS.	No.	Acreage.	Amount.	Date.	Term.
Allgor, Benjamin E.	New Bedford	12	1	\$1 25	April 12, 1909	1 year
Allgor, Devine	Como	44	8	7 50	Aug. 10, 1909	1 year
Allgor, Devine	Como	48	2	3 00	Sept. 23, 1909	1 year
Allgor, Devine	Como	61	3	5 50	June 11, 1909	1 year
Allgor, Devine	Como	79	58	29 00		1 year
Bennett, Chas. M.	Avon	75	3	3 00		1 year
Bennett, Chas. M.	Avon	76	3	2 25		1 year
Bennett, Chas. M.	Avon	81	4	3 00		1 year
Bennett, Eden, Sr.	Avon	36	1	3 00	May 20, 1909	1 year
Bennett, Edwin F.	Avon	28	1	2 25	May 18, 1909	1 year
Bennett, Edwin F.	Avon	71	1	3 00	Sept. 21, 1909	1 year
Bennett, Franklin E.	Asbury Park	66	2	1 00	Sept. 21, 1909	1 year
Bennett, Franklin E.	Asbury Park	64	2	6 00	Sept. 21, 1909	1 year
Bennett, Franklin E.	Asbury Park	2	4	12 00	April 3, 1909	1 year
Bennett, Henry A.	Avon	50	2	2 00	Oct. 4, 1909	1 year
Bennett, Henry A.	Avon	4	1	3 00	April 4, 1909	1 year
Bennett, Henry A.	Avon	13	4	3 00	April 15, 1909	1 year
Bennett, Henry A.	Avon	19	2	6 00	May 11, 1909	1 year
Bennett, Henry A.	Avon	78	1	1 00		1 year
Bennett, William S.	Avon	35	1	3 00	May 20, 1909	1 year
Bentell, E. M.	Avon	73	1	3 00	Sept. 25, 1909	1 year
Bowd, Willard	Bradley Beach	26	4	5 00		1 year
Campbell, Freeman	New Bedford	15	4	9 00	April 24, 1909	1 year
Campbell, Freeman	New Bedford	52	2	1 00	Nov. 2, 1909	1 year
Campbell, Freeman	New Bedford	55	2	5 00	April 25, 1909	1 year
Campbell, Neil	Belmar	16	3	6 00	April 27, 1909	1 year
Fleming, Henry	Avon	40	4	7 00	June 3, 1909	1 year
Fleming, Henry	Avon	80	5	4 00		1 year
Gassin, Joseph R.	Belmar	6	1	2 00	April 7, 1909	1 year
Glashin, Harry	Asbury Park	82	1	1 00		1 year
Green, H. D.	Asbury Park	77	10	7 50		1 year
Howland, Mrs. Charles	Belmar, R. F. D. 18	70	1	2 00	Sept. 27, 1909	1 year
Low, C. L.	Hamilton	14	1	3 00	April 20, 1909	1 year
Loughlin, J. W.	Belmar	41	6	5 00	April 20, 1909	1 year
Loughlin, J. W.	Belmar	69	6	5 00	May 25, 1909	1 year
Morris, Alex	Avon	68	4	12 00	May 19, 1909	1 year
Morris, John	Avon	33	8	4 00		1 year
Morris, William F.	Avon	57	4	11 00	April 27, 1909	1 year
Morris, William F.	Avon	56	3	2 00	April 27, 1909	1 year
Newman, Wilson L.	Belmar	32	7	6 50	May 17, 1909	1 year
Newman, Wilson L.	Belmar	47	2	4 00	Sept. 23, 1909	1 year
Newman, Wilson L.	Belmar	49	2	4 00	Oct. 3, 1909	1 year
Newman, Wilson L.	Belmar	74	4	3 00		1 year
Palmer, John P.	Avon	27	2	1 50	May 16, 1909	1 year
Palmer, John P.	Avon	51	2	1 00	Oct. 21, 1909	1 year
Palmer, John P.	Avon	54	2	2 00	April 2, 1909	1 year
Tilton, William L.	New Bedford	9	2	2 00	April 12, 1909	1 year
VanNote, Fred H.	Avon	59	1	1 00	June 5, 1909	1 year
Wight, James (Mrs.)	Belmar	8	1	3 00		1 year
Woolley, E. S. V.	New Bedford	37	3	3 50	May 23, 1909	1 year
Woolley, Hiram	New Bedford	33	1	1 50	May 19, 1909	1 year
Woolley, Joseph C.	Asbury Park	45	4	4 00	Sept. 16, 1909	1 year
Woolley, William H.	New Bedford	53	1	1 00	April 2, 1909	1 year
Woolley, William H.	New Bedford	34	2	2 00	May 19, 1909	1 year
Woolley, William H.	New Bedford	10	1	1 00	April 12, 1909	1 year

*Cancelled as to lots.

Boat Licenses—Atlantic County.

NAME.	ADDRESS.	Khd of Boat.	No.	Date.	Term.	Term.
Adams, Chas.	Pleasantville	Garvey	56	Oct. 1	1 year	\$2 50
Adams, Edw.	New Gretna	Garvey	179	Oct. 1	1 year	2 50
Adams, Ellis J.	Pleasantville	Garvey	54	Oct. 1	1 year	2 50
Adams, Elmer	Pleasantville	Garvey	64	Oct. 1	1 year	2 50
Adams, Ernest G.	New Gretna	Garvey	93	Oct. 1	1 year	2 50
Adams, George	New Gretna	Garvey	107	Oct. 1	1 year	2 50
Adams, H. C.	New Gretna	Garvey	171	Oct. 1	1 year	2 50
Adkinson, Fred	Absecon	Garvey	48	Oct. 1	1 year	2 50
Algar, Clark	Atlantic City	Garvey	50	Oct. 1	1 year	2 50
Allen, Oscar	Tuckerton	Garvey	188	Oct. 1	1 year	2 50
Allen, W. J.	New Gretna	Garvey	91	Oct. 1	1 year	2 50
Anderson, Sooy	Leeds Point	Garvey	158	Oct. 1	1 year	2 50
Barrett, Japhet	Scullville	Garvey	59	Oct. 1	1 year	2 50
Barrett, John	Scullville	Garvey	139	Oct. 1	1 year	2 50
Barrett, Joseph	Scullville	Garvey	144	Oct. 1	1 year	2 50
Barrett, William	Scullville	Garvey	127	Oct. 1	1 year	2 50
Boice, H. B.	Absecon	Garvey	61	Oct. 1	1 year	2 50
Bowen, Alfred S.	Leeds Point	Garvey	39	Oct. 1	1 year	2 50
Bowen, Arthur	Leeds Point	Garvey	15	Oct. 1	1 year	2 50
Bowen, Baker	Leeds Point	Garvey	17	Oct. 1	1 year	2 50
Bowen, Bartine	Leeds Point	Garvey	16	Oct. 1	1 year	2 50
Bowen, Elwood	Pleasantville	Garvey	57	Oct. 1	1 year	2 50
Bowen, John C.	Leeds Point	Garvey	13	Oct. 1	1 year	2 50
Bowen, John S.	Leeds Point	Garvey	18	Oct. 1	1 year	2 50
Bowen, Oscar	Leeds Point	Garvey	3	Oct. 1	1 year	2 50
Bowen, Samuel G.	Pleasantville	Garvey	42	Oct. 1	1 year	2 50
Bowen, Somers L.	Pleasantville	Garvey	41	Oct. 1	1 year	2 50
Brand, Harry E.	Port Republic	Garvey	186	Oct. 1	1 year	2 50
Bunnell, George	Forked River	Garvey	176	Oct. 1	1 year	2 50
Bunnell, J. B.	Forked River	Garvey	173	Oct. 1	1 year	2 50
Bunnell, J. W. J.	Forked River	Garvey	177	Oct. 1	1 year	2 50
Bunnell, M. V.	Forked River	Garvey	178	Oct. 1	1 year	2 50
Cavileer, Chas.	Port Republic	Garvey	167	Oct. 1	1 year	2 50
Cavileer, Eugene	Port Republic	Garvey	66	Oct. 1	1 year	2 50
Cavileer, Gilbert	Port Republic	Garvey	36	Oct. 1	1 year	2 50
Cavileer, John D.	Port Republic	Garvey	86	Oct. 1	1 year	2 50
Cavileer, Philip	Port Republic	Garvey	87	Oct. 1	1 year	2 50
Cavileer, Raymond	Lower Bank	Garvey	65	Oct. 1	1 year	2 50
Cavileer, Reuben	Lower Bank	Garvey	170	Oct. 1	1 year	2 50
Cavileer, William	Port Republic	Garvey	73	Oct. 1	1 year	2 50
Cavileer, William	Port Republic	Garvey	174	Oct. 1	1 year	2 50
Champion, Walter	Pleasantville	Garvey	181	Oct. 1	1 year	2 50
Chappell, Albert E.	Leeds Point	Garvey	1	Oct. 1	1 year	2 50
Chappell, Jos. H.	Leeds Point	Garvey	2	Oct. 1	1 year	2 50
Clark, Morris	Pleasantville	Garvey	49	Oct. 1	1 year	2 50
Clayton, Nicholas	Scullville	Garvey	138	Oct. 1	1 year	2 50
Conover, Arthur	Absecon	Garvey	46	Oct. 1	1 year	2 50
Conover, Elias	Port Republic	Garvey	74	Oct. 1	1 year	2 50
Conover, Enoch	Oceanville	Garvey	111	Oct. 1	1 year	2 50
Conover, Ezekiel	Oceanville	Garvey	36	Oct. 1	1 year	2 50
Conover, Henry	Absecon	Garvey	45	Oct. 1	1 year	2 50
Conover, Roland	Oceanville	Garvey	35	Oct. 1	1 year	2 50
Corson, Lewis	Scullville	Garvey	92	Oct. 1	1 year	2 50
Cramer, Albert F.	Atlantic City	Garvey	95	Oct. 1	1 year	2 50
Cramer, Arnold	New Gretna	Garvey	99	Oct. 1	1 year	2 50
Cramer, Earl	New Gretna	Garvey	109	Oct. 1	1 year	2 50
Cramer, Samuel R.	Atlantic City	Garvey	94	Oct. 1	1 year	2 50
Darby, John W.	New Gretna	Garvey	101	Oct. 1	1 year	2 50
Dennis, Burris F.	Scullville	Garvey	149	Oct. 1	1 year	2 50
Dennis, Charles	Scullville	Garvey	26	Oct. 1	1 year	2 50
Dennis, Henry	Scullville	Garvey	27	Oct. 1	1 year	2 50
Doughty, Edw. C.	Oceanville	Garvey	121	Oct. 1	1 year	2 50
Doughty, G. C.	Oceanville	Garvey	180	Oct. 1	1 year	2 50
Doughty, Jonathan	Scullville	Garvey	140	Oct. 1	1 year	2 50
Downs, Edw.	Wading River	Garvey	185	Oct. 1	1 year	2 50
Endicott, Joseph	Port Republic	Garvey	43	Oct. 1	1 year	2 50
Endicott, Mark	Port Republic	Garvey	71	Oct. 1	1 year	2 50
Endicott, Winfield	Port Republic	Garvey	60	Oct. 1	1 year	2 50
English, Somers	Scullville	Garvey	149	Oct. 1	1 year	2 50
Fields, George	Port Republic	Garvey	88	Oct. 1	1 year	2 50
Gale, James	New Gretna	Garvey	118	Oct. 1	1 year	2 50

BOAT LICENSES—ATLANTIC COUNTY—Continued

NAME.	ADDRESS.	Kind of Boat.	No.	Date.	Term.	Amount.
Garrison, Dennis	Scullville	Garvey..	135	Oct. 1	1 year	2 50
Giberson, Albert	Leeds Point	Garvey..	119	Oct. 1	1 year	2 50
Giberson, Chester	Hibesville	Garvey..	34	Oct. 1	1 year	2 50
Giberson, Daniel	Absecon	Garvey..	44	Oct. 1	1 year	2 50
Giberson, E. W.	Absecon	Garvey..	44	Oct. 1	1 year	2 50
Giberson, Harvey	Leeds Point	Garvey..	35	Oct. 1	1 year	2 50
Giberson, Thomas, Jr.	Leeds Point	Garvey..	19	Oct. 1	1 year	2 50
Giberson, Thomas, Sr.	Leeds Point	Garvey..	20	Oct. 1	1 year	2 50
Headley, J. R.	Leeds Point	Garvey..	154	Oct. 1	1 year	2 50
Hewitt, George	Port Republic	Garvey..	81	Oct. 1	1 year	2 50
Hewitt, Jesse	Port Republic	Garvey..	182	Oct. 1	1 year	2 50
Hewitt, Nelson	Port Republic	Garvey..	82	Oct. 1	1 year	2 50
Hewitt, Norris	Port Republic	Garvey..	84	Oct. 1	1 year	2 50
Hickman, Clark	Port Republic	Garvey..	76	Oct. 1	1 year	2 50
Hickman, Gus	Port Republic	Garvey..	83	Oct. 1	1 year	2 50
Hickman, William	Port Republic	Garvey..	63	Oct. 1	1 year	2 50
Higbee, Ephraim	Leeds Point	Garvey..	14	Oct. 1	1 year	2 50
Higbee, James W.	Leeds Point	Garvey..	156	Oct. 1	1 year	2 50
Higbee, John	Leeds Point	Garvey..	165	Oct. 1	1 year	2 50
Honer, Julius	Port Republic	Garvey..	151	Oct. 1	1 year	2 50
Huntley, Chas.	Port Republic	Garvey..	83	Oct. 1	1 year	2 50
Ingersoll, Chas.	Pleasantville	Garvey..	77	Oct. 1	1 year	2 50
Ingersoll, Norris	Pleasantville	Garvey..	85	Oct. 1	1 year	2 50
Johnson, Clark	Port Republic	Garvey..	115	Oct. 1	1 year	2 50
Johnson, Edw.	Port Republic	Garvey..	114	Oct. 1	1 year	2 50
Johnson, Harold	Port Republic	Garvey..	117	Oct. 1	1 year	2 50
Johnson, Norman	Port Republic	Garvey..	109	Oct. 1	1 year	2 50
Kitchen, Daniel	New Gretna	Garvey..	191	Oct. 1	1 year	2 50
Lafferty, Walter	Pleasantville	Garvey..	118	Oct. 1	1 year	2 50
Lake, William	Pleasantville	Garvey..	150	Oct. 1	1 year	2 50
Lashley, Curtis	Scullville	Garvey..	131	Oct. 1	1 year	2 50
Lashley, David	Scullville	Garvey..	136	Oct. 1	1 year	2 50
Lashley, Peter	Scullville	Garvey..	25	Oct. 1	1 year	2 50
Lashley, Somers	Scullville	Garvey..	132	Oct. 1	1 year	2 50
Lee, Jay	Scullville	Garvey..	129	Oct. 1	1 year	2 50
Leeds, Albert F.	Leeds Point	Garvey..	8	Oct. 1	1 year	2 50
Leeds, Chas. A.	Leeds Point	Garvey..	5	Oct. 1	1 year	2 50
Leeds, C. W.	Leeds Point	Garvey..	7	Oct. 1	1 year	2 50
Leeds, Curtis	Leeds Point	Garvey..	12	Oct. 1	1 year	2 50
Leeds, Jesse	Leeds Point	Garvey..	168	Oct. 1	1 year	2 50
Leeds, Lardner	Leeds Point	Garvey..	10	Oct. 1	1 year	2 50
Leeds, Lewis P.	Leeds Point	Garvey..	169	Oct. 1	1 year	2 50
Leeds, R. A.	Leeds Point	Garvey..	9	Oct. 1	1 year	2 50
Leeds, R. K.	Leeds Point	Garvey..	162	Oct. 1	1 year	2 50
Leeds, Risley	Leeds Point	Garvey..	11	Oct. 1	1 year	2 50
Leeds, William	Leeds Point	Garvey..	70	Oct. 1	1 year	2 50
Leeds, Wm. H.	Oceanville	Garvey..	6	Oct. 1	1 year	2 50
Leeds, Wm. H.	Leeds Point	Garvey..	164	Oct. 1	1 year	2 50
Loveland, Joseph	Port Republic	Garvey..	89	Oct. 1	1 year	2 50
Loveland, Jos. A.	Port Republic	Garvey..	104	Oct. 1	1 year	2 50
Loveland, Mark L.	Leeds Point	Garvey..	37	Oct. 1	1 year	2 50
Loveland, Wm. T.	New Gretna	Garvey..	115	Oct. 1	1 year	2 50
Mathews, Geo., Jr.	Oceanville	Garvey..	153	Oct. 1	1 year	2 50
Mathews, Herbert	Oceanville	Garvey..	155	Oct. 1	1 year	2 50
Mathis, Asbury	New Gretna	Garvey..	98	Oct. 1	1 year	2 50
Mathis, Caleb, Jr.	Pleasantville	Garvey..	102	Oct. 1	1 year	2 50
Mathis, John P.	Pleasantville	Garvey..	103	Oct. 1	1 year	2 50
Mathis, John P.	Leeds Point	Garvey..	4	Oct. 1	1 year	2 50
Mathis, Joshua	New Gretna	Garvey..	189	Oct. 1	1 year	2 50
Mathis, Marion	New Gretna	Garvey..	97	Oct. 1	1 year	2 50
Mathis, S. L.	New Gretna	Garvey..	172	Oct. 1	1 year	2 50
Maxwell, Benj.	Wading River	Garvey..	152	Oct. 1	1 year	2 50
McAnney, Earl	New Gretna	Garvey..	184	Oct. 1	1 year	2 50
McAnney, James	New Gretna	Garvey..	96	Oct. 1	1 year	2 50
Nelson, Isaac	Pleasantville	Garvey..	80	Oct. 1	1 year	2 50
Nicholas, Leon	Scullville	Garvey..	126	Oct. 1	1 year	2 50
Patchell, John	Scullville	Garvey..	146	Oct. 1	1 year	2 50
Pierce, George	Port Republic	Garvey..	75	Oct. 1	1 year	2 50
Risley, Curtis	Pleasantville	Garvey..	51	Oct. 1	1 year	2 50
Risley, Frank	Pleasantville	Garvey..	53	Oct. 1	1 year	2 50
Risley, Harry C.	Pleasantville	Garvey..	54	Oct. 1	1 year	2 50

BOAT LICENSES—ATLANTIC COUNTY—Continued

NAME.	ADDRESS.	Kind of Boat.	No.	Date.	Term.	Amount.
Risley, Herman	Pleasantville	Garvey..	52	Oct. 1	1 year	2 50
Robinson, David	Scullville	Garvey..	190	Oct. 1	1 year	2 50
Rose, Daniel	Port Republic	Garvey..	67	Oct. 1	1 year	2 50
Rose, Norman	Port Republic	Garvey..	72	Oct. 1	1 year	2 50
Schofield, Jos. D.	Scullville	Garvey..	70	Oct. 1	1 year	2 50
Scull, Elijah	Scullville	Garvey..	79	Oct. 1	1 year	2 50
Scull, Gideon	Scullville	Garvey..	31	Oct. 1	1 year	2 50
Scull, Samuel	Scullville	Garvey..	29	Oct. 1	1 year	2 50
Scull, Thomas	New Gretna	Garvey..	187	Oct. 1	1 year	2 50
Sears, N.	Leeds Point	Garvey..	168	Oct. 1	1 year	2 50
Smallwood, Isaac	Port Republic	Garvey..	40	Oct. 1	1 year	2 50
Smith, Aaron	Scullville	Garvey..	192	Oct. 1	1 year	2 50
Smith, D. K.	Leeds Point	Garvey..	33	Oct. 1	1 year	2 50
Smith, Gilbert	Leeds Point	Garvey..	156	Oct. 1	1 year	2 50
Smith, Japhet S.	Scullville	Garvey..	28	Oct. 1	1 year	2 50
Smith, John H.	Scullville	Garvey..	143	Oct. 1	1 year	2 50
Smith, Joseph P.	Scullville	Garvey..	32	Oct. 1	1 year	2 50
Smith, Joseph S.	Leeds Point	Garvey..	122	Oct. 1	1 year	2 50
Smith, Jos. T.	Scullville	Garvey..	148	Oct. 1	1 year	2 50
Smith, Samuel B.	Leeds Point	Garvey..	120	Oct. 1	1 year	2 50
Smith, Theodore	Scullville	Garvey..	141	Oct. 1	1 year	2 50
Somers, Boice	Scullville	Garvey..	22	Oct. 1	1 year	2 50
Somers, Chas. B.	Scullville	Garvey..	24	Oct. 1	1 year	2 50
Somers, Frank	Atlantic City	Garvey..	110	Oct. 1	1 year	2 50
Somers, Lewis	Scullville	Garvey..	130	Oct. 1	1 year	2 50
Somers, Oscar	Scullville	Garvey..	125	Oct. 1	1 year	2 50
Somers, Sylvester	Scullville	Garvey..	124	Oct. 1	1 year	2 50
Somers, Wm. W.	Scullville	Garvey..	23	Oct. 1	1 year	2 50
Sooy, E. M.	Leeds Point	Garvey..	160	Oct. 1	1 year	2 50
Sooy, J. E.	Leeds Point	Garvey..	157	Oct. 1	1 year	2 50
Sooy, John B.	Port Republic	Garvey..	108	Oct. 1	1 year	2 50
Sooy, John M.	Leeds Point	Garvey..	159	Oct. 1	1 year	2 50
Steelman, Andrew	Scullville	Garvey..	194	Oct. 1	1 year	2 50
Steelman, Elmer	Scullville	Garvey..	30	Oct. 1	1 year	2 50
Steelman, Israel	Scullville	Garvey..	123	Oct. 1	1 year	2 50
Steelman, Job	Scullville	Garvey..	137	Oct. 1	1 year	2 50
Steelman, Samuel	Scullville	Garvey..	31	Oct. 1	1 year	2 50
Steelman, Zemas	Scullville	Garvey..	147	Oct. 1	1 year	2 50
Strickland, Elias	Leeds Point	Garvey..	90	Oct. 1	1 year	2 50
Tallman, Al	Somers Point	Garvey..	58	Oct. 1	1 year	2 50
Thomas, Jesse, Jr.	Scullville	Garvey..	128	Oct. 1	1 year	2 50
Thomas, Jesse, Sr.	Scullville	Garvey..	133	Oct. 1	1 year	2 50
Thomas, William	Scullville	Garvey..	173	Oct. 1	1 year	2 50
Updike, John	Wading River	Garvey..	151	Oct. 1	1 year	2 50
Wheaton, E.	Scullville	Garvey..	193	Oct. 1	1 year	2 50
Willitts, John	Brigantine	Garvey..	134	Oct. 1	1 year	2 50
Wilson, Amasa	Port Republic	Garvey..	106	Oct. 1	1 year	2 50
Wilson, Arlington	Port Republic	Garvey..	78	Oct. 1	1 year	2 50
Wilson, Benjamin	Port Republic	Garvey..	69	Oct. 1	1 year	2 50
Wilson, G. D.	Port Republic	Garvey..	105	Oct. 1	1 year	2 50
Wilson, Grover	Port Republic	Garvey..	183	Oct. 1	1 year	2 50
Wilson, J. H.	Port Republic	Garvey..	116	Oct. 1	1 year	2 50

\$467 50

Boat Licenses—Delaware Bay.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Abbott, Abdon, Jr.	Port Norris	422	10	March 30, 1909	1 year	\$15 00
Adams, J. Wesley	Port Norris	431	15	March 31, 1909	1 year	22 50
Alcorn, Samuel	Port Norris	80	10	April 30, 1909	1 year	15 00
Allen, Edward H.	Bivalve	136	10	April 2, 1909	1 year	15 00
Arnold, James	Fairton	450	33	March 25, 1909	1 year	45 50
Armstrong, George	Delmont	501	13	April 1, 1909	1 year	31 50
Bailey, A. J.	Port Norris	332	21	April 1, 1909	1 year	10 00
Bailey, David	Port Norris	115	Under	April 1, 1909	1 year	10 00
Bailey, Lafayette	Dividing Creek	138	16	April 1, 1909	1 year	24 00
Baker, Edward	Haleyville	77	10	March 30, 1909	1 year	15 00
Bass, John M.	Newport	198	Under	April 24, 1909	1 year	10 00
Bass, Smith	Port Norris	312	Under	April 30, 1909	1 year	10 00
Bateman, Americus	Leesburg	459	28	March 29, 1909	1 year	42 00
Bateman, F. B.	Newport	160	34	April 1, 1909	1 year	51 00
Bateman, Elmer	Port Norris	156	30	April 4, 1909	1 year	45 00
Bateman, Moses	Mauricetown	31	16	March 31, 1909	1 year	24 00
Bateman, William H.	Port Norris	430	10	April 28, 1909	1 year	15 00
Bechtel, Frank	Millville	153	25	April 4, 1909	1 year	37 50
Bell, John S.	Newport	119	15	March 31, 1909	1 year	22 50
Berry, Benjamin	Port Norris	158	30	April 5, 1909	1 year	45 00
Berry, Charles	Port Norris	195	23	March 31, 1909	1 year	34 50
Berry, Harry	Port Norris	81	24	March 31, 1909	1 year	36 00
Berry, Henry A.	Port Norris	357	14	April 5, 1909	1 year	21 00
Berry, John	Port Norris	240	27	April 2, 1909	1 year	40 50
Berry, Stultz	Port Norris	5	32	March 30, 1909	1 year	48 00
Berry, William H.	Port Norris	82	32	April 30, 1909	1 year	48 00
Bevis, Wesley R.	Green Creek	438	Tong	April 27, 1909	1 year	5 00
Bidwell, William	Bivalve	286	10	April 1, 1909	1 year	15 00
Blackman, Smith	Port Norris	213	23	April 11, 1909	1 year	34 50
Blizzard, Hiram	Cedarville	429	8	April 30, 1909	1 year	12 00
Blizzard, Stetson	Cedarville	437	Under	April 30, 1909	1 year	10 00
Bonham, Lewis	Dividing Creek	273	8	April 29, 1909	1 year	12 00
Bornhorst, August	Port Norris	185	15	March 31, 1909	1 year	22 50
Bornhorst, Henry	Port Norris	391	12	March 28, 1909	1 year	18 00
Bowker, Charles	Dividing Creek	473	16	April 1, 1909	1 year	24 00
Bowker, Thomas	Port Norris	194	26	April 23, 1909	1 year	39 00
Boyle, Charles	Millville	389	13	April 28, 1909	1 year	19 50
Bradford, Alford	Newport	7	10	April 1, 1909	1 year	15 00
Bradford, Charles L.	Newport	96	35	April 1, 1909	1 year	52 50
Bradford, Lemuel	Newport	250	26	April 1, 1909	1 year	39 00
Bradway, Frank	Bridgeton	441	18	April 29, 1909	1 year	27 50
Brant, Robert	Camden	36	24	Nov. 30, 1909	1 year	36 00
Brineshultz, John M.	Cedarville	316	25	Sept. 15, 1909	1 year	37 50
Burnight, George	Newport	183	11	March 31, 1909	1 year	16 50
Burns, Jacob	Dividing Creek	249	Under	April 29, 1909	1 year	10 00
Burt, George	Cedarville	25	24	March 27, 1909	1 year	36 00
Cain, Ellis	Port Norris	180	16	March 31, 1909	1 year	24 00
Campbell, Archie	Port Norris	110	19	March 24, 1909	1 year	28 50
Campbell, Clement L.	Newport	107	35	April 5, 1909	1 year	52 50
Campbell, James	Mauricetown	129	23	April 30, 1909	1 year	34 50
Campbell, Harry O.	Newport	372	11	March 23, 1909	1 year	16 50
Campbell, Peter	Newport	227	33	April 19, 1909	1 year	49 50
Campbell, Philip F.	Newport	479	16	March 31, 1909	1 year	24 00
Campbell, Smith	Dividing Creek	384	12	March 24, 1909	1 year	18 00
Campbell, Stetson L.	Port Norris	426	26	April 5, 1909	1 year	39 00
Campbell, Walter	Port Norris	199	24	April 1, 1909	1 year	36 00
Campbell, Wilson A.	Newport	213	30	April 1, 1909	1 year	45 00
Carey, James	Camden	492	26	March 24, 1909	1 year	39 00
Chance, Eli W.	Mauricetown	325	25	April 28, 1909	1 year	37 50
Chance, John W.	Leesburg	488	11	March 29, 1909	1 year	16 50
Clark, John	Port Norris	262	12	Jan. 1, 1909	1 year	18 00
Clark, Joshua	Port Norris	16	35	Dec. 15, 1909	1 year	52 50
Clark, Ralph A.	Newport	346	11	April 7, 1909	1 year	16 50
Clark, William	Bivalve	117	7	April 28, 1909	1 year	10 50
Coff, James	Port Norris	120	8	April 27, 1909	1 year	12 00
Collins, William T.	Camden	277	18	April 1, 1909	1 year	27 00
Conahay, George	Port Norris	63	14	March 31, 1909	1 year	21 00
Corson, Champion	Cedarville	212	12	April 1, 1909	1 year	18 00
Corson, Lyranda	Port Norris	168	9	April 11, 1909	1 year	13 50
Corson, Robert	Fairton	178	7	April 30, 1909	1 year	10 50
Cosier, Lucious E.	Newport	75	26	March 31, 1909	1 year	39 00

BOAT LICENSES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Cosier, William W.	Dividing Creek	408	14	April 5, 1909	1 year	21 00
Covert, Charles A.	Leesburg	411	15	April 2, 1909	1 year	22 50
Cox, Champion H.	Leesburg	427	14	April 1, 1909	1 year	21 00
Cox, Raymond	Cedarville	148	Under	April 27, 1909	1 year	10 00
Crossley, George	Newport	151	10	April 26, 1909	1 year	15 00
Cruise, Benjamin B.	Mauricetown	191	27	April 1, 1909	1 year	40 50
Cruise, David K.	Dorchester	322	12	March 31, 1909	1 year	18 00
Daniels, David	Bridgeton	34	30	March 22, 1909	1 year	45 00
Davis, Charles E.	Millville	270	23	April 29, 1909	1 year	34 50
Davis, Eli	Fairton	130	32	April 9, 1909	1 year	48 00
Diamant, William A.	Cedarville	32	22	Sept. 23, 1909	1 year	33 00
Dillahay, Robert	Port Norris	89	25	April 1, 1909	1 year	37 50
Dillahay, Samuel J.	Port Norris	39	Under	March 31, 1909	1 year	10 00
Dillahay, William	Cedarville	11	Under	April 12, 1909	1 year	10 00
Dodson, Thomas L.	Heislerville	386	12	March 31, 1909	1 year	18 00
Dolson, Ferdinand	Cedarville	103	24	April 30, 1909	1 year	10 00
Donnelly, Lorenzo	Heislerville	135	24	April 27, 1909	1 year	36 00
Eagan, John	Heislerville	161	42	April 15, 1909	1 year	63 00
Earl, Thomas	Port Norris	303	14	March 31, 1909	1 year	21 00
Emerson, Horatio	Cedarville	268	11	April 27, 1909	1 year	16 50
Erickson, Edward	Dennisville	256	Under	April 29, 1909	1 year	10 00
Erickson, Samuel	Leesburg	38	22	Oct. 23, 1909	1 year	33 00
Evans, Edward	Millville	337	32	April 1, 1909	1 year	48 00
Evans, Norman	Millville	154	20	April 1, 1909	1 year	30 00
Ferns, John	Camden	336	24	March 2, 1909	1 year	36 00
Fidler, Frank	Dennisville	392	18	March 30, 1909	1 year	27 00
Fidler, William L.	Leesburg	100	23	April 30, 1909	1 year	57 00
Fisher, Charles	Port Norris	335	28	May 1, 1909	1 year	34 50
Fisher, Jacob	Port Norris	238	Under	April 10, 1909	1 year	10 00
Fisher, John	Port Norris	70	14	April 1, 1909	1 year	21 00
Fithian, B. J.	Greenwich	169	10	April 1, 1909	1 year	15 00
Flynn, John	Camden	14	31	April 12, 1909	1 year	46 50
Gandy, Ephraim	Dividing Creek	14	Under	April 29, 1909	1 year	10 00
Gandy, Miles	Cedarville	88	23	April 1, 1909	1 year	42 00
Garrettson, Samuel H.	Haleyville	397	10	April 1, 1909	1 year	15 00
Garrison, Charles	Port Norris	105	34	April 11, 1909	1 year	51 00
Garrison, Daniel C.	Heislerville	285	Under	April 1, 1909	1 year	10 00
Garrison, Frank L.	Dividing Creek	358	26	March 31, 1909	1 year	39 00
Garrison, Joseph	Dividing Creek	235	10	April 1, 1909	1 year	15 00
Garrison, Powell, Jr.	Dividing Creek	90	7	March 14, 1909	1 year	10 50
Garrison, Powell, Sr.	Dividing Creek	382	Under	April 25, 1909	1 year	10 00
Garrison, Richard	Port Norris	170	13	April 1, 1909	1 year	19 50
Gaskill, Elcana	Port Norris	84	36	April 28, 1909	1 year	54 00
Gaskill, George S.	Port Norris	439	23	March 30, 1909	1 year	34 50
Gaskill, Jesse P.	Port Norris	458	27	April 1, 1909	1 year	40 50
Gaskill, Linwood	Port Norris	279	34	April 30, 1909	1 year	51 00
Gates, Harry A.	Newport	241	26	March 29, 1909	1 year	39 00
Gates, James	Newport	341	25	April 6, 1909	1 year	37 50
Goff, Oliver	Heislerville	230	20	March 31, 1909	1 year	30 00
Green, Samuel	Port Norris	132	9	April 28, 1909	1 year	13 50
Hager, Sherman	Port Norris	444	47	April 21, 1909	1 year	70 50
Haggerty, Harry	Greenwich	99	35	April 24, 1909	1 year	52 50
Haley, Clarence	Mauricetown	269	14	May 1, 1909	1 year	21 00
Hand, Harrison	Port Norris	229	16	March 31, 1909	1 year	24 00
Hand, Leonard C.	Port Norris	259	14	March 29, 1909	1 year	21 00
Hanners, John	Newport	300	33	January 1, 1909	1 year	49 50
Hanners, McClellan	Newport	206	14	March 30, 1909	1 year	21 00
Hanners, Samuel	Newport	62	21	Nov. 22, 1909	1 year	31 50
Hannon, Otto	Cedarville	19	19	April 30, 1909	1 year	28 50
Hanson, Harry	Port Norris	361	9	April 27, 1909	1 year	13 50
Hara, Harry O.	Port Norris	140	14	March 30, 1909	1 year	21 00
Harker, Mahlin	Cedarville	126	Under	March 24, 1909	1 year	10 00
Harrington, Gerald	Bivalve	184	37	April 29, 1909	1 year	55 50
Harris, Ephraim	Port Norris	265	8	March 25, 1909	1 year	12 00
Harris, John W., Jr.	Leesburg	143	21	April 17, 1909	1 year	31 50
Harris, John W., Sr.	Leesburg	465	16	March 31, 1909	1 year	24 00
Harris, William	Port Norris	46	9	April 1, 1909	1 year	13 50
Hasler, Lummis	Port Norris	188	47	April 27, 1909	1 year	70 50
Havens, William E.	Millville	196	7	June 8, 1909	1 year	10 50
Henderson, William L.	Leesburg	8	17	April 1, 1909	1 year	25 50
Hickman, Isaac	Port Norris	33	28	October 25, 1909	1 year	42 00

BOAT LICENSES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Hickman, Walter	Dividing Creek	365	8	March 15, 1909	1 year	12 00
Hignut, Frank	Port Norris	79	31	April 1, 1909	1 year	46 50
Hignut, Howard	Port Norris	530	9	April 4, 1909	1 year	13 50
Hignut, Vincent	Port Norris	405	16	Sept. 10, 1909	1 year	24 00
Hiles, George S.	Haleyville	91	10	April 1, 1909	1 year	15 00
Hillman, Charles	Leesburg	61	35	April 24, 1909	1 year	52 50
Hilton, Watson	Pleasantville	379	Under	June 3, 1909	1 year	48 00
Hinson, Arthur	Mauricetown	403	15	March 31, 1909	1 year	22 50
Hinson, Harold E.	Mauricetown	321	8	April 23, 1909	1 year	12 00
Hinson, William T.	Mauricetown	155	33	April 23, 1909	1 year	49 50
Hoffman, Silas	Leesburg	1	36	Dec. 9, 1909	1 year	54 00
Hoffman, William	Port Norris	47	16	April 1, 1909	1 year	24 00
Hollinger, Harrison	Port Norris	387	18	April 30, 1909	1 year	24 00
Hollingshead, John	Leesburg	535	17	April 24, 1909	1 year	25 50
Holmes, Gilbert	Pierces	293	25	Jan. 1, 1909	1 year	37 50
Howell, Forrest	Millville	216	10	April 1, 1909	1 year	15 00
Hunter, Aaron S.	Haleyville	3	15	Sept. 1, 1909	1 year	22 50
Hunter, William C.	Haleyville	118	21	Sept. 30, 1909	1 year	31 50
Husted, Quincy L.	Newport	133	18	April 1, 1909	1 year	27 00
Husted, William	Newport	280	13	March 18, 1909	1 year	19 50
Ingersoll, Charles M.	Dividing Creek	323	14	April 27, 1909	1 year	12 00
Jeffries, Robert	Newport	85	8	April 30, 1909	1 year	13 50
Jenkins, Ephraim	Dividing Creek	271	9	April 23, 1909	1 year	10 00
Jenkins, Samuel	Dividing Creek	532	Under	April 30, 1909	1 year	16 50
Jenkins, William	Newport	376	11	March 31, 1909	1 year	27 00
Johnson, Charles W.	Cedarville	71	18	Nov. 1, 1909	1 year	24 00
Johnson, Charles F.	Green Creek	274	16	April 25, 1909	1 year	10 00
Johnson, George W.	Greenwich	190	Under	April 1, 1909	1 year	49 50
Johnson, Martin J.	Newport	69	30	April 1, 1909	1 year	45 00
Joslin, Benjamin	Newport	197	8	April 24, 1909	1 year	12 00
Joslin, Harrison	Newport	56	9	March 30, 1909	1 year	13 50
Joslin, Zephaniah, Sr.	Newport	53	Under	April 28, 1909	1 year	10 00
Joslin, Zephaniah, Jr.	Newport	186	42	April 20, 1909	1 year	63 00
Ladow, Samuel	Port Norris	165	23	March 29, 1909	1 year	15 50
Lake, John T.	Port Norris	583	13	April 1, 1909	1 year	28 50
Lake, Samuel C.	Port Norris	166	19	April 28, 1909	1 year	10 00
Land, William H.	Mays Landing	73	Under	April 1, 1909	1 year	49 50
Leach, Samuel	Greenwich	152	33	April 2, 1909	1 year	18 00
Leach, William	Leesburg	296	12	March 29, 1909	1 year	21 00
Lee, Daniel	Leesburg	344	14	April 8, 1909	1 year	36 00
Lee, Frank	Port Norris	207	24	March 28, 1909	1 year	22 50
Lee, Harry M.	Port Norris	223	15	April 21, 1909	1 year	18 00
Lee, Maurice R.	Leesburg	267	12	March 27, 1909	1 year	49 50
Lee, Samuel	Leesburg	139	33	Jan. 1, 1909	1 year	15 00
Lee, Steelman R.	Leesburg	121	10	April 13, 1909	1 year	40 50
Lilliston, Thomas	Leesburg	121	27	April 24, 1909	1 year	40 50
Lodge, James	Greenwich	21	25	Jan. 2, 1909	1 year	52 50
Loper, Beriah	Dividing Creek	163	9	April 1, 1909	1 year	60 00
Lord, Harry	Heislerville	174	40	April 23, 1909	1 year	30 00
Lore, Addie	Newport	52	20	Jan. 1, 1909	1 year	10 00
Lore, Isaac	Newport	226	Under	April 30, 1909	1 year	40 50
Lore, Tyler	Newport	37	27	Jan. 1, 1909	1 year	24 00
Lore, U. S. Grant	Cedarville	400	16	March 29, 1909	1 year	10 00
Loyd, George	Heislerville	385	Under	April 30, 1909	1 year	40 50
Ludlam, Henry	Pierces	319	27	March 30, 1909	1 year	10 00
Lynch, Philip	Camden	66	Under	April 24, 1909	1 year	67 50
Matthews, Calvin	Cedarville	182	45	April 24, 1909	1 year	34 50
Mason, George	Greenwich	87	23	Jan. 1, 1909	1 year	49 50
McClain, Charles G.	Leesburg	60	33	April 28, 1909	1 year	49 50
McConnell, John	Port Norris	654	13	April 1, 1909	1 year	19 50
McDaniels, Howard	Leesburg	583	21	April 29, 1909	1 year	31 50
McDaniels, John	Port Norris	289	12	April 28, 1909	1 year	13 00
McDaniels, Willard	Port Norris	204	27	April 30, 1909	1 year	40 50
Meerwald, Augustus J.	Dennisville	108	24	April 30, 1909	1 year	36 00
Meiler, John	Camden	45	25	April 1, 1909	1 year	37 50
Moffett, James	Camden	102	25	April 30, 1909	1 year	48 00
Moore, Hampton	Cedarville	233	Under	April 26, 1909	1 year	10 00
Moore, Isaac	Dividing Creek	9	25	April 1, 1909	1 year	37 50
Moore, Oscar	Port Norris					

BOAT LICENSES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Moore, Samuel K.	Fairton	129	23	April 30, 1909	1 year	34 50
Moore, Thomas	Port Norris	17	40	March 18, 1909	1 year	60 00
Moore, William	Cedarville	175	7	May 9, 1909	1 year	10 50
Morris, Thomas E.	Greenwich	94	45	March 25, 1909	1 year	67 50
Mulford, Elmer	Bridgeton	116	20	April 4, 1909	1 year	30 00
Mulford, Mahlin	Fairton	124	10	April 30, 1909	1 year	15 00
Mulford, Ralph J.	Cedarville	10	21	April 1, 1909	1 year	31 50
Newcomb, Adrain B.	Newport	377	25	March 29, 1909	1 year	37 50
Newcomb, Daniel L.	Port Norris	20	12	March 25, 1909	1 year	18 00
Newcomb, Edward	Greenwich	35	35	March 26, 1909	1 year	52 50
Newcomb, Geo. W. C.	Newport	317	30	March 22, 1909	1 year	45 00
Newcomb, Lewis B.	Newport	306	30	Sept. 17, 1909	1 year	49 50
Newcomb, Olin W.	Cedarville	475	10	March 26, 1909	1 year	15 00
Newcomb, Theophilus	Port Norris	252	22	April 13, 1909	1 year	33 00
Newcomb, William B.	Newport	97	18	March 25, 1909	1 year	27 00
Nicholson, Henry C.	Newport	26	43	April 2, 1909	1 year	64 50
Nickerson, Ernest	Port Norris	106	27	April 1, 1909	1 year	40 50
Ogden, Columbus	Port Norris	4	10	April 1, 1909	1 year	15 00
O'Neill, Robert	Cedarville	209	33	March 28, 1909	1 year	49 50
Orr, John E.	Port Norris	187	18	March 31, 1909	1 year	27 00
Orr, Mark	Dividing Creek	92	27	April 20, 1909	1 year	40 50
Pashley, Charles	Dividing Creek	351	10	March 22, 1909	1 year	15 00
Pepper, Frank	Dividing Creek	64	15	March 22, 1909	1 year	22 50
Pepper, Harry R.	Port Norris	406	16	April 1, 1909	1 year	24 00
Pepper, Jacob	Dividing Creek	83	Under	April 24, 1909	1 year	10 00
Pepper, John	Dividing Creek	6	21	April 3, 1909	1 year	31 50
Perry, David	Bivalve	104	10	April 23, 1909	1 year	15 00
Perry, William	Bivalve	217	15	April 5, 1909	1 year	22 50
Peterson, Aaron	Port Norris	177	17	April 30, 1909	1 year	25 50
Peterson, Charles S.	Cedarville	142	Under	April 30, 1909	1 year	10 00
Peterson, George C.	Newport	255	21	April 3, 1909	1 year	31 50
Peterson, George S.	Newport	55	28	April 19, 1909	1 year	42 00
Peterson, James	Newport	399	Under	April 30, 1909	1 year	10 00
Peterson, John C.	Port Norris	318	21	April 3, 1909	1 year	31 50
Peterson, Lucius E.	Port Norris	300	40	April 3, 1909	1 year	60 00
Peterson, William B.	Port Norris	202	10	March 29, 1909	1 year	15 00
Petit, Charles	Port Norris	43	18	April 12, 1909	1 year	27 00
Phillips, George P.	Bivalve	48	Under	April 28, 1909	1 year	10 00
Pickering, George	Port Norris	375	24	April 30, 1909	1 year	36 00
Pierce, John	Greenwich	298	36	March 19, 1909	1 year	54 00
Pierce, William H.	Dorchester	310	15	March 31, 1909	1 year	22 50
Polhamus, Alfred	Dorchester	451	8	April 23, 1909	1 year	12 00
Polhamus, Benage F.	Leesburg	204	Under	May 19, 1909	1 year	10 00
Polhamus, Jos. G.	Leesburg	131	7	March 29, 1909	1 year	10 50
Polhamus, Zebulon	Vineland	203	24	March 28, 1909	1 year	36 00
Polhamus, William	Leesburg	93	22	April 1, 1909	1 year	33 00
Rahr, David	Leesburg	93	22	April 1, 1909	1 year	33 00
Randolph, Andrew	Bricksboro	358	12	April 7, 1909	1 year	38 00
Randolph, George W.	Port Norris	314	14	April 7, 1909	1 year	21 00
Read, John	Leesburg	159	12	April 30, 1909	1 year	18 00
Riggin, Charles M.	Port Norris	187	14	April 1, 1909	1 year	21 00
Riggin, Edward M.	Port Norris	251	18	April 1, 1909	1 year	27 00
Riggin, Walter C.	Port Norris	394	14	April 2, 1909	1 year	21 00
Risley, Curtis	Port Norris	109	33	April 1, 1909	1 year	49 50
Robbins, David, Jr.	Pleasantville	416	19	March 26, 1909	1 year	28 50
Robbins, David, Sr.	Port Norris	237	23	April 1, 1909	1 year	34 50
Robbins, Edward C.	Port Norris	172	35	March 28, 1909	1 year	52 50
Robbins, Frank	Haleyville	125	16	April 7, 1909	1 year	24 00
Robbins, George	Port Norris	366	16	March 31, 1909	1 year	24 00
Robbins, Joseph	Port Norris	50	26	April 1, 1909	1 year	39 00
Robbins, Levi	Port Norris	343	9	April 8, 1909	1 year	13 50
Robinson, Silas	Port Norris	345	18	April 8, 1909	1 year	27 00
Robinson, Edgar	Dividing Creek	13	March 31, 1909	1 year	19 50	
Rocks, William	Camden	516	11	March 30, 1909	1 year	16 50
Rowley, L. Bates	Dennisville	559	48	April 26, 1909	1 year	72 00
Sayre, George	Port Norris	146	13	April 3, 1909	1 year	19 50
Sayre, William	Port Norris	352	18	April 1, 1909	1 year	27 00
Scott, Benoni	Camden	205	10	March 31, 1909	1 year	15 00
Sharp, Albert R.	Newport	297	14	March 31, 1909	1 year	21 00
Sharp, Halleck	Haleyville	27	10	April 1, 1909	1 year	15 00
	Dorchester	266	17	April 1, 1909	1 year	25 50

BOAT LICENSES—DELAWARE BAY—Continued.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Sharp, John F.	Port Norris	315		21 March	22, 1909	1 year 31 50
Sharp, John W.	Leesburg	418		13 March	26, 1909	1 year 19 50
Sharp, Walter L.	Port Norris	164		18 April	12, 1909	1 year 27 00
Sharp, Zadok, Jr.	Leesburg	147		13 April	1, 1909	1 year 19 50
Sharp, Zadok, Sr.	Leesburg	181		45 April	30, 1909	1 year 67 50
Sharpless, John	Leesburg	468		20 March	30, 1909	1 year 30 00
Shaw, George	Dorchester	205		1 Sept.	1, 1909	1 year 31 50
Sheppard, Ivey	Dividing Creek	301	Under	April	26, 1909	1 year 10 00
Sheppard, Lewis F.	Cedarville	23		32 Nov.	13, 1909	1 year 48 00
Sheppard, S. Ware	Newport	86		43 Oct.	23, 1909	1 year 64 50
Shropshire, Edward	Haleyville	122		32 April	11, 1909	1 year 48 00
Shull, Burton	Dividing Creek	22		9 March	29, 1909	1 year 13 50
Shull, Harry	Newport	349		14 March	24, 1909	1 year 21 00
Shull, John L.	Newport	74		24 April	1, 1909	1 year 23 00
Shull, Roscoe	Port Norris	272		16 March	27, 1909	1 year 24 00
Simms, Benjamin	Cedarville	95		15 April	8, 1909	1 year 22 50
Simkins, Thomas	Cedarville	127		14 March	27, 1909	1 year 21 00
Smith, Asa S. C.	Leesburg	149		13 April	15, 1909	1 year 19 50
Smith, Henry	Newport	215		33 March	22, 1909	1 year 49 50
Smith, Seth	Leesburg	302		14 March	31, 1909	1 year 21 00
Snell, Warrie E.	Port Norris	114		10 April	1, 1909	1 year 15 00
Sockwell, Arthur	Port Norris	179		12 April	19, 1909	1 year 18 00
Spence, Walter	Delmont	113		18 March	28, 1909	1 year 27 00
Spencer, Elmer	Newport	290	Under	March	28, 1909	1 year 10 00
Spiker, George	Port Elizabeth	137		15 April	20, 1909	1 year 22 50
Squarewood, Charles	Buchahutum	278		11 April	30, 1909	1 year 15 50
Stiles, H. J.	Belle Plain	362	Under	April	30, 1909	1 year 10 00
Stites, Gilbert	Dragston	214		12 April	1, 1909	1 year 18 00
Stites, Nathan	Dorchester	192		7 April	22, 1909	1 year 10 50
Sutter, Harry	Port Norris	231		10 April	30, 1909	1 year 15 00
Sutter, Jacob	Port Norris	78		10 April	1, 1909	1 year 15 00
Sutter, William	Port Norris	330		15 April	30, 1909	1 year 22 50
Sutton, Clarence M.	Bridgeton	80		25 March	19, 1909	1 year 37 50
Sutton, Ernest	Bridgeton	283		25 March	26, 1909	1 year 37 50
Sutton, Harry W.	Leesburg	182		14 March	31, 1909	1 year 21 00
Sutton, William G.	Bridgeton	111		41 April	2, 1909	1 year 61 00
Swank, David	Bivalve	304	Under	April	30, 1909	1 year 10 00
Swing, Leonard	Fairton	15		24 April	18, 1909	1 year 36 00
Tarburton, Elmer	Greenwich	29		41 April	20, 1909	1 year 61 50
Taylor, Osborne D.	Port Norris	264	Under	April	29, 1909	1 year 10 00
Terry, George N.	Dividing Creek	76		22 Oct.	6, 1909	1 year 33 00
Terry, William F.	Port Norris	485		19 April	16, 1909	1 year 28 50
Towhey, John	Camden	393		34 March	23, 1909	1 year 51 00
Townsend, Stacy	Leesburg	65		11 April	28, 1909	1 year 16 50
Tozour, Charles	Delmont	230		12 March	28, 1909	1 year 18 00
Turner, Charles	Newport	134		26 March	22, 1909	1 year 39 00
Turner, Leaming	Dividing Creek	288		29 April	1, 1909	1 year 43 50
Turpin, Howard	Haleyville	391		12 March	28, 1909	1 year 18 00
Tweed, John	Greenwich	72		45 April	12, 1909	1 year 67 50
Vail, Jeremiah	Dividing Creek	193	Under	April	23, 1909	1 year 10 00
Vail, William A.	Bridgeton	224		27 April	21, 1909	1 year 40 50
Vail, William, Jr.	Dividing Creek	101		7 April	1, 1909	1 year 10 50
Van Suan, Alonzo	Leesburg	239		31 April	1, 1909	1 year 48 50
Van Vliet, William	Newport	436		10 April	1, 1909	1 year 15 00
Veal, William	Dividing Creek	12		21 Oct.	16, 1909	1 year 31 50
Wallen, David	Fairton	24		18 March	25, 1909	1 year 27 00
Wallen, Henry	Fairton	340		20 March	30, 1909	1 year 30 00
Walls, George	Camden	287		16 March	19, 1909	1 year 24 00
Warren, Harry	Bridgeton	100		43 Nov.	21, 1909	1 year 64 50
Welden, Charles	Newport	320		16 March	25, 1909	1 year 24 00
Welden, William H.	Newport	211		21 April	1, 1909	1 year 31 50
Westcott, George H.	Fairton	145		18 April	1, 1909	1 year 27 00
Westcott, Lewis	Cedarville	561		33 April	1, 1909	1 year 49 50
Whilden, Clarence	Mauricetown	258		10 March	31, 1909	1 year 15 00
Whilden, Frazier	Leesburg	54		19 Oct.	18, 1909	1 year 28 50
Whilden, Edward	Delmont	173		23 March	19, 1909	1 year 34 50
Whilden, John E.	Fairton	378		11 April	12, 1909	1 year 16 50
Whilden, Somers E.	Mauricetown	40		31 March	28, 1909	1 year 46 50
Williams, Whitefield	Heislerville	412		16 April	28, 1909	1 year 24 00
Windfohr, Arthur	Bivalve	112		13 April	28, 1909	1 year 19 50

Boat Licenses—Raritan Bay.

NAME.	ADDRESS.	No.	Tonn.	Date.	Term.	Amount.
Hanner, Fred & Sons	Keyport	6-7		..... July	6, 1909	1 year 20 00
Mason, Lorenzo	Keyport	28		Under July	6, 1909	1 year 5 00
Maurer, William	Keyport	37-38-		.....	.....	.....
		39-40		..... July	6, 1909	1 year 20 00
Maurer, William	Keyport	23		14 July	6, 1909	1 year 21 00
Woolley, William E.	Keyport	32-33-		.....	.....	.....
		34-35		..... July	6, 1909	1 year 20 00
Woolley, William E.	Keyport	41		18 July	6, 1909	1 year 27 00

Tonger's Licenses For Ocean County.

NAME.	ADDRESS.	No.	Date.	Term.	Amount.
Adams, Allen	Tuckerton	816	Oct. 1, 1909	1 year	\$2 50
Adams, William	Tuckerton	817	Oct. 1, 1909	1 year	2 50
Allen, Charles H.	New Gretna	903	Oct. 1, 1909	1 year	2 50
Allen, Chester	Tuckerton	787	Oct. 1, 1909	1 year	2 50
Allen, Chester F.	New Gretna	920	Oct. 1, 1909	1 year	2 50
Allen, C. W.	New Gretna	993	Oct. 1, 1909	1 year	2 50
Allen, Edward K.	New Gretna	922	Oct. 1, 1909	1 year	2 50
Allen, Edward K., Jr.	New Gretna	997	Oct. 1, 1909	1 year	2 50
Allen, Frank C.	Tuckerton	946	Oct. 1, 1909	1 year	2 50
Allen, Grover	New Gretna	950	Oct. 1, 1909	1 year	2 50
Allen, Harry	New Gretna	901	Oct. 1, 1909	1 year	2 50
Allen, Harry	New Gretna	916	Oct. 1, 1909	1 year	2 50
Allen, J. Frank	New Gretna	911	Oct. 1, 1909	1 year	2 50
Allen, John L.	New Gretna	947	Oct. 1, 1909	1 year	2 50
Allen, Joseph	New Gretna	907	Oct. 1, 1909	1 year	2 50
Allen, Joseph B.	Tuckerton	775	Oct. 1, 1909	1 year	2 50
Allen, Lyman	Tuckerton	773	Oct. 1, 1909	1 year	2 50
Allen, T. A.	New Gretna	943	Oct. 1, 1909	1 year	2 50
Allen, Thomas A.	New Gretna	914	Oct. 1, 1909	1 year	2 50
Allen, Walter	Tuckerton	772	Oct. 1, 1909	1 year	2 50
Allen, W. F.	New Gretna	998	Oct. 1, 1909	1 year	2 50
Bates, H. A.	Port Republic	792	Oct. 1, 1909	1 year	2 50
Bogan, R. S.	Atlantic City	967	Oct. 1, 1909	1 year	2 50
Bowen, Job	Atlantic City	942	Oct. 1, 1909	1 year	2 50
Bowen, Thomas G.	Pleasantville	945	Oct. 1, 1909	1 year	2 50
Brown, Ezra P.	West Creek	839	Oct. 1, 1909	1 year	2 50
Brown, James D.	Tuckerton	979	Oct. 1, 1909	1 year	2 50
Brown, Mark	Parkertown	845	Oct. 1, 1909	1 year	2 50
Burton, George	Beach Haven	978	Oct. 1, 1909	1 year	2 50
Carney, George	Green Bank	902	Oct. 1, 1909	1 year	2 50
Cavleer, Howard	Port Republic	795	Oct. 1, 1909	1 year	2 50
Cavleer, Morris	Port Republic	794	Oct. 1, 1909	1 year	2 50
Cavleer, Walter	Leeds Point	992	Oct. 1, 1909	1 year	2 50
Chev, Benjamin	New Gretna	923	Oct. 1, 1909	1 year	2 50
Chev, William	New Gretna	948	Oct. 1, 1909	1 year	2 50
Conover, Benjamin	Oceanville	910	Oct. 1, 1909	1 year	2 50
Conover, Henry D.	Atlantic City	924	Oct. 1, 1909	1 year	2 50
Conover, James	Absecon	925	Oct. 1, 1909	1 year	2 50
Conover, John W.	Absecon	965	Oct. 1, 1909	1 year	2 50
Conover, M. H.	Absecon	988	Oct. 1, 1909	1 year	2 50
Cordrey, Daniel	Oceanville	972	Oct. 1, 1909	1 year	2 50
Cox, Harry	Tuckerton	781	Oct. 1, 1909	1 year	2 50
Cramer, Clarence	New Gretna	912	Oct. 1, 1909	1 year	2 50
Cramer, Doughty	New Gretna	999	Oct. 1, 1909	1 year	2 50
Cramer, James D.	New Gretna	906	Oct. 1, 1909	1 year	2 50
Cramer, Jesse	New Gretna	932	Oct. 1, 1909	1 year	2 50
Cramer, John	New Gretna	913	Oct. 1, 1909	1 year	2 50
Cramer, Joseph	West Creek	880	Oct. 1, 1909	1 year	2 50
Cramer, Morris	New Gretna	951	Oct. 1, 1909	1 year	2 50
Cramer, Oliver	West Creek	833	Oct. 1, 1909	1 year	2 50
Cramer, Thomas	New Gretna	900	Oct. 1, 1909	1 year	2 50
Cummings, Jos	Parkertown	828	Oct. 1, 1909	1 year	2 50
Cummings, Silas	Parkertown	847	Oct. 1, 1909	1 year	2 50
Dilks, Roscoe	Port Republic	793	Oct. 1, 1909	1 year	2 50
Driscoll, John	Tuckerton	815	Oct. 1, 1909	1 year	2 50
Driscoll, Reuben	Tuckerton	975	Oct. 1, 1909	1 year	2 50
Downs, Walter	Wading River	987	Oct. 1, 1909	1 year	2 50
Engersoll, J. B.	English Creek	953	Oct. 1, 1909	1 year	2 50
Falkinburg, Chas. E.	Tuckerton	812	Oct. 1, 1909	1 year	2 50
Fielder, Gusham	Port Republic	796	Oct. 1, 1909	1 year	2 50
Fiske, Horace	Tuckerton	777	Oct. 1, 1909	1 year	2 50
Fiske, Lewis	Tuckerton	809	Oct. 1, 1909	1 year	2 50
Frazier, Frank	Tuckerton	783	Oct. 1, 1909	1 year	2 50
Gale, Hilliard	New Gretna	941	Oct. 1, 1909	1 year	2 50
Gale, William H.	Tuckerton	785	Oct. 1, 1909	1 year	2 50
Gaskill, Alvin	New Gretna	937	Oct. 1, 1909	1 year	2 50
Gaskill, Carlisle	New Gretna	938	Oct. 1, 1909	1 year	2 50
Gaskill, Jeremiah	New Gretna	936	Oct. 1, 1909	1 year	2 50
Gaskill, Jesse	New Gretna	820	Oct. 1, 1909	1 year	2 50
Gaskill, Thomas J.	New Gretna	786	Oct. 1, 1909	1 year	2 50
Gaskill, Morris	New Gretna	933	Oct. 1, 1909	1 year	2 50

TONGER'S LICENSES FOR OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Date.	Term.	Amount.
Gaskill, William F.	Tuckerton	798	Oct. 1, 1909	1 year	2 50
Gerew, Harold	New Gretna	921	Oct. 1, 1909	1 year	2 50
Gerew, John	New Gretna	915	Oct. 1, 1909	1 year	2 50
Gilbert, Thomas	Tuckerton	977	Oct. 1, 1909	1 year	2 50
Hickman, Oscar	Tuckerton	784	Oct. 1, 1909	1 year	2 50
Higbee, Fred	Leeds Point	990	Oct. 1, 1909	1 year	2 50
Higbee, Samuel G.	Port Republic	943	Oct. 1, 1909	1 year	2 50
Higbee, Somers T.	Leeds Point	919	Oct. 1, 1909	1 year	2 50
Higbee, Wilber	Leeds Point	991	Oct. 1, 1909	1 year	2 50
Homan, B. Frank	Tuckerton	849	Oct. 1, 1909	1 year	2 50
Jilson, Warren	Parkertown	810	Oct. 1, 1909	1 year	2 50
Johnson, Cornelius K.	West Creek	981	Oct. 1, 1909	1 year	2 50
Johnson, Edward	West Creek	968	Oct. 1, 1909	1 year	2 50
Jones, John F.	West Creek	840	Oct. 1, 1909	1 year	2 50
Kelley, Eugene	West Creek	983	Oct. 1, 1909	1 year	2 50
Kelley, Geo. G.	West Creek	825	Oct. 1, 1909	1 year	2 50
Kelley, Hugh F.	West Creek	984	Oct. 1, 1909	1 year	2 50
Kelley, James	West Creek	986	Oct. 1, 1909	1 year	2 50
Kelley, Job S.	West Creek	838	Oct. 1, 1909	1 year	2 50
Lamson, J. A.	Mayetta	970	Oct. 1, 1909	1 year	2 50
Leeds, Joab R.	New Gretna	995	Oct. 1, 1909	1 year	2 50
Lemunyon, Daniel	New Gretna	931	Oct. 1, 1909	1 year	2 50
Lemunyon, P. L.	New Gretna	994	Oct. 1, 1909	1 year	2 50
Loveland, Arthur T.	New Gretna	944	Oct. 1, 1909	1 year	2 50
Loveland, Jesse A.	New Gretna	904	Oct. 1, 1909	1 year	2 50
Loveland, Jesse I.	New Gretna	968	Oct. 1, 1909	1 year	2 50
Loveland, R. A.	New Gretna	905	Oct. 1, 1909	1 year	2 50
Loveland, S. E.	New Gretna	996	Oct. 1, 1909	1 year	2 50
Loveland, William	New Gretna	823	Oct. 1, 1909	1 year	2 50
Luker, Edward	Atlantic City	822	Oct. 1, 1909	1 year	2 50
Luker, Isaiah	Atlantic City	800	Oct. 1, 1909	1 year	2 50
Marshall, Harry	Beach Haven	923	Oct. 1, 1909	1 year	2 50
Mathis, Alvin	New Gretna	774	Oct. 1, 1909	1 year	2 50
Mathis, Arnold	Tuckerton	940	Oct. 1, 1909	1 year	2 50
Mathis, Caleb A.	New Gretna	821	Oct. 1, 1909	1 year	2 50
Mathis, Curtis	New Gretna	791	Oct. 1, 1909	1 year	2 50
Mathis, Daniel	New Gretna	929	Oct. 1, 1909	1 year	2 50
Mathis, D. E.	New Gretna	783	Oct. 1, 1909	1 year	2 50
Mathis, Eugene	New Gretna	918	Oct. 1, 1909	1 year	2 50
Mathis, Harry V.	New Gretna	927	Oct. 1, 1909	1 year	2 50
Mathis, John K.	New Gretna	824	Oct. 1, 1909	1 year	2 50
Mathis, Joseph	New Gretna	739	Oct. 1, 1909	1 year	2 50
Mathis, Roy	New Gretna	790	Oct. 1, 1909	1 year	2 50
Mathis, Samuel H.	New Gretna	825	Oct. 1, 1909	1 year	2 50
McCarty, George B.	West Creek	806	Oct. 1, 1909	1 year	2 50
Morey, Chas. W.	Tuckerton	976	Oct. 1, 1909	1 year	2 50
Mott, Joseph	Tuckerton	848	Oct. 1, 1909	1 year	2 50
Parker, Adelbert	Parkertown	831	Oct. 1, 1909	1 year	2 50
Parker, Augustus	Parkertown	836	Oct. 1, 1909	1 year	2 50
Parker, Charles E.	Parkertown	801	Oct. 1, 1909	1 year	2 50
Parker, Ellis	Beach Haven	850	Oct. 1, 1909	1 year	2 50
Parker, Ellis	Parkertown	843	Oct. 1, 1909	1 year	2 50
Parker, Harris	Parkertown	844	Oct. 1, 1909	1 year	2 50
Parker, Hausel	Parkertown	842	Oct. 1, 1909	1 year	2 50
Parker, Henry	Parkertown	841	Oct. 1, 1909	1 year	2 50
Parker, Harrie	Parkertown	782	Oct. 1, 1909	1 year	2 50
Parker, Norwood	Parkertown	846	Oct. 1, 1909	1 year	2 50
Parker, Samuel B.	Tuckerton	829	Oct. 1, 1909	1 year	2 50
Parker, Thomas	Parkertown	832	Oct. 1, 1909	1 year	2 50
Pharo, Watson L.	West Creek	830	Oct. 1, 1909	1 year	2 50
Price, Abram	Parkertown	837	Oct. 1, 1909	1 year	2 50
Price, Clarence	Parkertown	809	Oct. 1, 1909	1 year	2 50
Price, Merritt W.	Parkertown	908	Oct. 1, 1909	1 year	2 50
Ripley, John	West Creek	830	Oct. 1, 1909	1 year	2 50
Robbins, Adelbert	New Gretna	909	Oct. 1, 1909	1 year	2 50
Robbins, Charles	New Gretna	908	Oct. 1, 1909	1 year	2 50
Robbins, L. D.	New Gretna	930	Oct. 1, 1909	1 year	2 50
Rose, John D.	Port Republic	917	Oct. 1, 1909	1 year	2 50
Russell, Lewis	Tuckerton	814	Oct. 1, 1909	1 year	2 50
Rutter, R. F.	West Creek	834	Oct. 1, 1909	1 year	2 50
Seaman, Clarence A.	West Creek	985	Oct. 1, 1909	1 year	2 50
Seaman, William S.	West Creek	835	Oct. 1, 1909	1 year	2 50

TONGER'S LICENSES FOR OCEAN COUNTY—Continued.

NAME.	ADDRESS.	No.	Date.	Term.	Amount.
Smith, Geo. L.	Atlantic City	989	Oct. 1, 1909	1 year	2 50
Sprague, Albert	Tuckerton	779	Oct. 1, 1909	1 year	2 50
Sprague, Henry	West Creek	807	Oct. 1, 1909	1 year	2 50
Sprague, Joel	Beach Haven	971	Oct. 1, 1909	1 year	2 50
Sprague, Lewis	Tuckerton	780	Oct. 1, 1909	1 year	2 50
Sprague, Philip R.	West Creek	827	Oct. 1, 1909	1 year	2 50
Sprague, William	West Creek	808	Oct. 1, 1909	1 year	2 50
Steelman, F.	English Creek	952	Oct. 1, 1909	1 year	2 50
Stevens, James	Beach Haven	799	Oct. 1, 1909	1 year	2 50
Stiles, Alexis	Tuckerton	778	Oct. 1, 1909	1 year	2 50
Stiles, Edward	Tuckerton	969	Oct. 1, 1909	1 year	2 50
Stiles, Elias	Tuckerton	776	Oct. 1, 1909	1 year	2 50
Strickland, Alton	Port Republic	974	Oct. 1, 1909	1 year	2 50
Strickland, David	Port Republic	973	Oct. 1, 1909	1 year	2 50
Sooy, S. L.	New Gretna	935	Oct. 1, 1909	1 year	2 50
Tensdale, Edward	Tuckerton	797	Oct. 1, 1909	1 year	2 50
Weber, Edward	New Gretna	939	Oct. 1, 1909	1 year	2 50

Respectfully submitted,

CHAS. R. BACON,

Chief of Bureau.

INDEX.

BIOLOGIST'S REPORT—

PAGE

The relation of climate to oyster quality.....	19
Explanation of the table.....	20
Table of climatic elements affecting oyster propagation season of 1909 at Barnegat, N. J.....	21
Discussion of data.....	22
Season not sufficiently warm.....	22
Season was unusually dry.....	23
The character of the season's "Set" of spat.....	24
The new laboratory.....	25
The cost of the experiments.....	25
More stations desirable.....	26
Value of the experiments.....	26
Alleged disease at Maurice River Cove Investigated.....	27

BUREAU OF SHELL FISHERIES—

Recommendations	7
The anti-freshening order.....	12
National Association	18

COUNTY AND DISTRICT REPORTS—

Atlantic County	39
Delaware Bay and Maurice River Cove (Commissioners).....	35
Delaware Bay and Maurice River Cove (Superintendent).....	37
Ocean County (Commissioners).....	31
Ocean County (Superintendent).....	33

LEASES—Atlantic County	41
Delaware Bay and Maurice River Cove.....	45
Ocean County	52
Raritan Bay	51
Shark River District.....	60

LICENSES—

Atlantic County	61
Delaware Bay and Maurice River Cove.....	64
Ocean County	70
Raritan Bay	69

