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Oysters the Most Valuable Water Crop

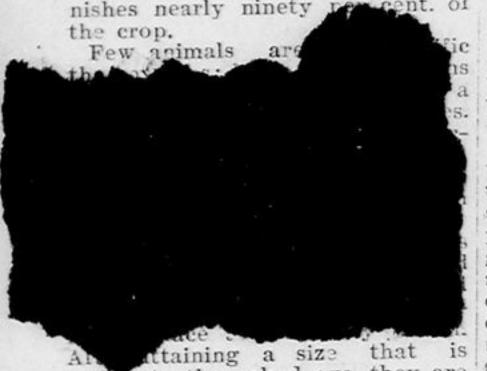
(By Hugh M. Smith, United States Commissioner of Fisheries.)

With the coming of September industry that the oyster supports.

They owe that economic preeminence to the fact that they have high food value and that they are palatable, cheap, widely distributed and easy to cultivate.

Oysters occur in greater or less abundance on the shores of all temperate and tropical seas, but the supply in the arms of the North Atlantic Ocean exceeds that in all other waters combined. There are at least a hundred different kinds or species of oysters, with a wide range in habits, flavor, shape and size. All the oysters on the eastern and southern coasts of the United States belong to one species, which has, however many local varieties; the lttle, native oyster of the Pacific States is of a wholly different species.

In about thirty-five countries oyster farming is a special industry The annual oyster crop of the world now amounts to more than forty million bushels, for which the fishermen and planters receive about twenty-five million dollars. The United States furnishes nearly ninety percent. of



not able to change their position. public grounds. When the temperature, density, tides and currents are favorable, trast with that of New York the floating young go to the bot- Connecticut. Those states tom and become attached to the cut loose from the old fetish of shells of old oysters or to any the sanctity of public oyster other hard surfaces that may be grounds; they leased or sold those present: but all that fall on a grounds for planting purposes and muddy or soft sandy bottom or assumed the front rank in oyster on slimy surfaces soon perish. growing, although the natural ad-Modern oyster culture aims prim- vantages of Long Island Sound for arily to save the free-swimming the industry were much inferior to young, and oyster planters there- those of Chesapeake Bay. fore provide clean shells. tiles. The great area of her oyster the great British offensive, will in and other hard objects, to which beds gave the United States an the "spat", as the young oysters early lead in the oyster industry: are called, can attach themselves. but to maintain that lead she has

A simple type of cultivation flour- a crop that will increase every ished in China at a very remote year. period and probably antedated by Of the oysters now marketed, 50 some centuries the beginning of per cent. come from private or Press Bureau, the tender of the week to the call of a factory oyster culture in Italy, which was cultivated grounds. Owing, howabout the year 100 B .C. With the ever, to the better quality of culincreasing demand for oysters, tivated oysters, the product of they came to be cultivated in all the private beds represents 70 the important maritime countries per cent. of the total value of the of Europe. In other parts of the yield of market oysters. Old World and in the Western Wherever the oyster-growing Hemisphere, the growing of oys- industry is active and the demand ters by artificial means has be- for oysters great, it becomes necome an important industry, so ces ary sooner or later to resort that to-day oysters are the most to artificial measures in order to extensively cultivated of all ac- maintain the supply. Fortunately,

upon the edible qualities of the the states have failed to adapt oyster. At every stage in its themselves to new conditions. Nocareer it is attacked by a horde where in this country is there any of dangerous enemies, some of excuse for continuing to rely on which are most destructive after public oyster grounds as sources the oyster has put on its stoutest of market supply; to perpetuate armor. Before the young oyster them only delays progress and attaches itself, it is extensively impairs prosperity. To discourage consumed by adult oysters and or prchibit individual control of various other shellfish, as well as land for farming purposes would by fishes that strain their food not be less absurd than to prevent from the water. When the oyster a person from acquiring submergattains its shell, a new set of ed lands for oyster growing. It is shellfish enemies, provided with chiefly because most states have drills, begin their attacks and ex- accepted more rational standards tract the soft parts through m n- of oyster culture that our oyster ute holes that they make in the industry is so prosperous to-day. England. valves.

land Sound and adjacent waters (1) acquiring suitable submerged suffer heavy losses from the in- bottom, (2) cleaning and preparing roads of starfishes, which, moving that bottom for the growth of in waves over the bottom, devour oysters, (3) sowing on it shells or every oyster in their path. In a other material ("cultch") to which single season they have been the young oysters can attach place these days where many men known to destroy in one state themselves, (4) insuring the pro- are engaged preparing the buildseveral hundred thousand bushels duction of larval oysters by the ings for the big Exhibition. which of marketable oysters. It seems proximity of beds of adult oysters. takes place September 8th to 16th. strange at first that a weak (5) protecting the oyster beds from The management of the exhibition creature like the starfish should be enemies, (6) transplanting as occa- have been considerably handicapable to prey on an animal so sion requires to prevent over- ped with the work, but it is hoped strongly fortified as an oyster. crowding, and (7) culling and sort- that after this week nothing will The starfish attaches itself to the ing for market. lips of the oyster shell and exerts A prevalent practice among oys- preparations for the exhibition. a steady and long-sustained suc- ter growers in some regions is to There will be several new feation with each of its numerous transfer oysters from salt to tures this year. The Dominion small suckers. After a time the brackish water for a short time Government is putting on a dempowerful adductor muscle of the before shipping them to market. onstration in the new Process oyster becomes fatigued. the The oysters rapidly absorb the Building of the care of Eggs, with valves open, and the starfish in- fresher water, and the more saline a view to increasing interest helpless oyster at leisure.

The United States is particularly of the oysters from ten to twenty entries are to be made, it should fortunate in its oyster supply. The per cent., deprives them of from be attended to at once, and not output here is larger and more ten to fifteen per cent. of their left until the last day. All informavaluable than elsewhere. Moreover food value. on account of the relative low cost More serious, however, than the minion Savings Buildings, London.

of oysters to the consumer in the loss of nutritive properties is the United States, the consumption in danger from contamination when proportion to the total population the floats are situated near sewers "The deliveries of munitions is greater than an any of the other or other sources of pollution. It is from Ontario are running far be-

has increased severty per cent. in disease. Epidemics of typhoid quantity since 1880 and under the fever have been definitely traced Such is the statement of the imfavorable conditio s that now pre- to "floated" oysters that were perial Munitions Board to the Provail is becoming targer every year. undoubtedly innocuous when taken vincial Organization of Resources In certain states the limit of pro- from the salter water. the oyster season opens over a duction has perhaps been reached, The United States Government ducting a preliminary investigalarge section of the United States, but in most states the industry is has done much to promote the ton into labor conditions in muand for a period of eight months capable of greatly expanding. In ovster industry of the country. It nitions plants in Toronto, Hamilthe appetizing bivalve reigns su- recent years the oyster crops of has made studies of the oyster's ton and other Ontario cities. preme as the most extensively have shown a noteworthy in- knowledge of which protection been largely due to the fact that consumed product of the water: crease, chiefly because their oyster and cultivation must depend: it there has been a very inadequate but millions of the people who eat resources have come to be more has investigated conditions and supply of labor sufficiently skilled the oyster know little or nothing fully appreciated and because oys- methods of oyster growing in to make deliveries effective. This of its life history or of the vast encouraged

The seven leading oyster states Of all the products of the water, are Rhode Island, Connecticut, oysters are, with the single ex- New York, New Jersey, Maryland, ception of the sea herrings, the Virginia, and Louisiana, in each of which more than a million bushmost important to the human race. els of oysters are annually marketed. Virginia leads in production, with more than six million bushels a year: Maryland and Connecticut follow. As regards the value of oyuters taken. Connecticut and New York lead, with crops worth two and one half million dollars each: Virginia and Maryland come

> The body of water that produces the greatest number of oysters in the United States, or, in fact, oyster industry show that it has an output of more than eleven million bushels, valued at about four and a quarter million dollars, which is twenty-five per cent. of the value of the entire oyster crop purpose. of the United States. In recent years the oyster yield of Chesapeake Bay and tributaries has been considerably less than it was formerly; yet the industry there is to-day in a healthier condition which were becoming rapidly depleted, now a steadily in reasing proportion of the oyster ouput is taken from grounds under private

In Virginia about one half the value of the state's oyser industry is contributed by grounds under cultivation-a condition that 25 years ago would have been regarded as almost impossible. For at that time Virginia and some other states, believing that the oyster industry should depend on natural beds and restrictive laws, visible to the naked eye, they are discouraged oyster planting on

That policy was in strong con-

Oysters have been under culture had to adopt oyster culture as longer than any other shellfish- the only certain means of insuring

oysters thrive under artificial cul-The human animal is not the tivation. But the industry has sufonly one that looks with favor fered in important regions where

When reduced to its simplest The oyster growers of Long Is- terms, oyster culture consists in

serts its stomach, and devours the fluids in their tissues rapidly pass among the farmers in the care out. That process, known as and production of eggs. There Other enemies of the grown oys- "plumping," "floating" or "fatten- will also be an exhibit of Wool put ter are fishes with powerful jaws ing" makes the oysters swell to on by the Government with the armed with crushing teeth. On the the full capacity of the shell, but same object in view. Atlantic coast the most destruc- adds nothing to their food value There has been a good demand tive fish is the black drum, a or flavor. On the contrary, it ex- for space, and judging from presschool of which may virtually tracts certain nutritious ingredi- ent indications every available clean out an oyster bed in one ents and replaces them with water. place will be filled. If any space is clean out an oyster bed in one class and replaces that that sadnight; on the Pacific coast a ly misnames process of "fattening" cession, application should be although it increases the weight made to the Secretary at once. If

leading oyster-producing countries well known that oysters can take hind the quantities promised, and Our annual oyster output is in disease germs with their food, we are seriously apprehensive worth about seventees million dol- and such germs, when they pass if the existing conditions cannot ****** The yield into the human body, may cause be bettered."

> the South Atlantic and Gulf States life history, on the same accurate This shortage in production has on which oyster planting might be parts, which, in turn, have adconducted, and has thus increased versely affected operations at and improved the output and at the machining and assembling the same time has afforded a plants. But these, also, have been revenue to the states from the unable to make deliveries as sale or lease of the grounds.

tal planting operations in Louisi- the shortage of labor. dustry, experimental beds laid out attention of the public, desires: Hay. The latest statistics of the oysters were of high quality and cure a steady and increased sup- fessions. This in itself is a sort of the price of oysters taken from the front.

THE TORONTO ELECTION.

than ever before. The reason is in South-west Toronto is the fact province. It was not an issue two dustry. Government of Ontario until after est authorities in Great Britain an tude i.. deference to the views ex- sion. any sleep.-Burks Falls Arrow.

BRITISH BATTLE PICTURES

photographs of battle scenes in a few weeks be within reach of all Efforts to use women in munithroughout the Empire. The Brit- tion plants are meeting with good ish official bureau announces that success. In a number of places for "the exclusive right of making women have registered, and are and selling, in the United Kingdom waiting to be called to work as postcards from photographs taken soon as necessary arrangements by official photographers on the can be made. In Welland, for in-Western Front and issued by the stance, 95 women responded last Associated Newspapers, Limited there which needs 150 to 200 wo-(the London Daily Mail) has been men. Fifty per cent. of those who accepted. The terms offered by answered the call had never been the successful tenderer are half in regular employment before. seas Daily Mail are taking steps ed on the piece-work basis. to place the postcards on sale throughout the whole Empire. The War Office has given unlimited fa- the gun, be the man behind the cilities to the photographers in the fighting since the first of July, and their pictures, taken amid the smoke and roar of battle, are a unique record of the Great

The pictures will be reproduced in silver-print style (imitation photograph), in photogravure and in colors. They are to be made up in packets of eight postcards, for sale at 6d. a packet.

for as to the arrangements for sale in the Dominions, but inquiries may be addressed to the War Picture Department, "Daily Mail," Office, Carmelite House, London,

THE WESTERN FAIR LONDON, ONT.

Queen's Park is a very busy be allowed to interfere with the

tion at the General Offices, Do-

Committee, which has been con-

scheduled, even when they are Esperially noteworthy has been fully supplied with forgings and the out ome of certain experimen- component parts, largely owing to medicine, some of them with a

ana. In Barataria Bay, where there The Provincial Committee, there- names like the tail of a kite had previously been no ovster in- fore, in bringing these facts to the These chaps stand on their dignity

Fisheries yielded marketable oys- those engaged in the munitions call them plain "Mr." instead of ters at the extraordinary rate of and all'ed industries to the im- "Dr." although they are no fifteen hundred to two thousand portance of their service and the more entitled to have their calling be as follows: bushels an acre in two years from great responsibility resting upon dinned into people's ears every the time that the "cultch" was de- them as individuals to co-operate time some one addresses them posited on barren bottom. The and do all in their power to se- than have those of other prosold in New Orleans for four times ply of munitions, for our forces at quackery, although it doesn't cost

that the state has leased to oyster are ineligible for overseas service in the newspapers. This particular growers all land available for the and who are anxious to voluntar- kind of a quack is a parasite ilv do their best in this great who seeks his prey chiefly in the struggle, especially those now en large centres of population, algaged in non-productive work or though occasionally found in out in the production of commodities of the way places. But wherever Ford, Untario. which are luxuries more or less, to found, he is always fishing for consider employment on munitions suckers, and, sad to relate. the But the big joke of the contest as their next best service to go- latter are always plentiful. It is

that, whereas in earlier years, a that Prohibition is not an issue. Corps to register women for mu- accommodating and useful.-Race very large portion of the product and, indeed, it never was an issue nition work or for work which will suicide? Does that shock your against advance. was obtained from public beds, in any political contest in this release men for the munitions in- Why, my dear sir, if you knew half

> "Banish the Bars" was not Prohi- the importance of the highest that race suicide is almost univerbition such as this province will possible production of munitions. sal-that there is more or less of . have on and after the 16th of next The lives of our boys and the suc- it in almost every community .month. Last spring the question cess of their endeavors depend Burks Falls Arrow. was definitely settled by the upon it. Statements from the highthe war, when a vote will be from the front bear no small ti taken and a final decision bute to the part that munition reached. To suppose that the Gov- workers are playing in bringing ernment would change their atti- the war to a successful conclu-

pressed in the South-west Toron- The officer commanding a orito bye-election, is to give them gade of Canadian artillery, who credit for a species of asinine returned from the front last week stupidity they certainly do not said: "The Germans will never possess. Whatever the result in break through now. Before they South-west Toronto, those favor- had munitions, guns, equipmenting prohiitbion do not need to lose everything but the "nerve." All we had was "nerve." But now we have good guns and plenty of good ammunition. Whereas formerly we were limited to 10 to 15 rounds a gun a day, now we use 500 to 1,000 a gun, and one Picture postcards from official week lately we kept going all week night and day. It's all important that the supply of muni-

tions be kept up and increased."

the net profits of the undertaking Wages in munitions plants with the minimum payment of five should be such as to attract a thousand pounds." The money large number of workers. Four to will be devoted to military chari- seven, and even ten dollars a day ties. The Daily Mail and the Over- is not uncommon for men employ-

> "If you can't be the man behind man behind the gun."

THE QUACK BUSINESS

Patent medicine men haven't got a monopoly in the "quack" business. There are quacks right in the centre of the "holy of holies" of

Clean, smokeless and odorless oven means perfect cooking and baking. This is assured by ventilation and the nickel-coated non-rust steel lining in

McClarys

It won't be hard ro decide what range you want in your kitchen after I show you the Pandora's special features.

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by experts of the Bureau of 1. To call the attention of all and get mightily huffed if you as much as the kind that is advernatural beds. The result has been 2. To urge upon all those who tised at so much per inch or line this type of parasite whom the teed against reduction be-3. To urge Women's Emerge :v promoters of race suicide find so of what any reputable doctor years ago last spring, because There is no need to emphasize could tell you, you would know

string of initials after their Ford Car Prices

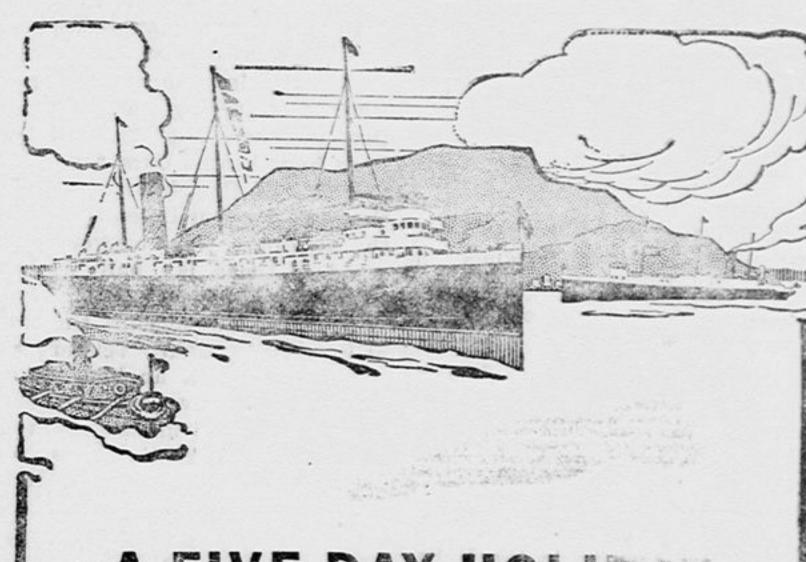
Effective August 1st, 1916 the prices of Ford Cars will

Touring Car				\$495 00
Roadste			-	475.00
Chassis	-	-		450 00
Couplet		-	-	695.00
Town	-	-	-	780 00
Sedan	-	-		890.00

These price are all F.O.B.

These prices are guaranfore August 1, 1917, but not

Dealers, Durham



A FIVE DAY HOLIDAY

GREAT LAKES

And you will feel good, because among the islands of Georgian Bay, the green banks of the St. Mary's River and the expanse of Lake Superior, fresh, cool breezes will blow new life into

CANADIAN PACIFIC

Clyde-built Greyhounds, with their Verandah Cafe, perfect appointments and cuisine, are as good as Atlantic Liners. Express Steamships "Assiniboia" and "Keewatin" leave Port McNicoll every Tuesday, Thursday and Saturday for Port Arthur and Fort William. Round trip

> Tickets, information and reservations from Local Agent, or W. B. Howard, District Passenger Agent, Toronto, Ont.

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gives that youthful glow to the complexion.

35c a Jar

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cleans and beautifies the teeth. You'll like the taste of Nval's Tooth

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You will find our stock

5 days.

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and

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right up to the minute | for preserving eggs, one

Often the cheapest, Always the best.

No Failure

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Your Pickles If you use our spices.

Parowax 5c and 15c Bottle Wax Rubber Jar Rings, the

good kind.

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15c can will preserve 12 doz. eggs. No trouble. Perfect satisfaction.

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C. P. R. Town Office-Buy your tickets here.

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every pros is to-day fore two generation

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central ide Peace, wh all civilize to submit propriate view, whe ciliation. themselve gressor th war withou cause to t organs of cert joint resources idea migh

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