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NOTES

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LIPPINGS

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igh I am blind; e laugh, re unkind—unkind."

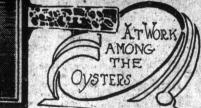
dear way, t my cheek, I am resigned

Gone gone away, silent land; old me by the hand, rning stay.

ore, day by day, en or pray.

e for a while corruption leave s that once I had, corruption -Christina Rossetti, Cultivating Basis Lastern Ousters at Esquimalt Harbor





BRINGING THEM IN BY THE BOATFULL

ALF dozen on the half shell? Yes, sir. Eastern?"

"No indeed. Give me Esquimalt oysters. There is flavor, size and all else that the epicure prizes in the Esjuimalt oyster." It was an Easterner, this

oyster, but moved to the coast. It came young, in car-load lots, well-iced, from the beds of its childhood at Cape Cod and Bridgeport, Conn, over the Canadian Pacific Railway to find new beds in the rich harbor bottom of Esquimalt, were it waxed fat

At Esquimalt, where sheltered in the little day into whose head flows the rivulet beneath Parsons bridge, the West Coast Fishing company has its oyster beas laid out in acre after acre covered with the shell-fish, those who care to follow the workers into the silt when the tide runs out at early morn can see the bivalve in its youth, its middle age and in full growth. They can see the oyster sorted from its smaller fellows as the big rakes drag it from the bed to load the boats which lift with the rising tide to carry the harvest gleaned at low water to the sorting house at the edge of the little cliff where Capt. George V. Williams, the manager, and Mrs. Williams live in a cosy bungalow that looks out upon the harbor beyond, with the masts and funnels, rusted hulls and taper staffs reminiscent the days before he left the bridge of the Oriental liner Lyra to become oyster planter and manager of the company of Victoria, Vancouver and Tacoma men whose enterprise in cultivating eastern oysters at Es-

uimalt bids fair to be such a success. There are now four millions oysters in the Esquimalt beds. They do not propogate. The cold water is considered responsible for this. but if it does prevent the regeneration, it also has the effect of growing the transplanted ysters better. A year ago there were a milion and a half young oysters at Esquimalt, and some months ago more were added until the beds contain over four millions. All vere planted small in the year of their child-They were not more than nine months old. They matured quick. Now, big shells four, five, six inches long are lifted by the yster tongs and piled high on the boats for he sorters who pick them and load the culled ysters on the firm's delivery wagons, which eart the loads from Parson's bridge to Vicoria for the local market, and the Vancouver narket; these are the only fields yet invaded, ut it is not long before the northwest and uget Sound markets will also be entered.

The little oysters, tiny shells, were ought by scow from where the C. P. R. cars were sidetracked at the edge of Esquimalt harbor. When the tide was low the and on the harbor bottom had been cultivat-It had been tilled and raked as though submarine farm had been intended. Pathays were made. The harbor bottom was off as for a giant's chess board, suggestof the paddy fields of the Oriental rice. ids. Big rakes harrowed the mud, and oon, well cultivated, it was mady for plant-Branches were planted in row after row with the rising water, the cove seemed a flooded orchard, these marking the hways and borders of the beds, each apximately fifty feet square. Into these beds planters placed from 100,000 to 200,000 g oysters, the number varying according he condition of the soil. The oysters feed on the insect life of the water, the animal and vegetation of the soil and water, and ne beds offer richer feeding grounds than

The beds once planted, time does the rest. workers tend them, rake and sort them, vent overcrowding, and as the days and cks go by the shells grow, the oyster fattens and in time becomes ready for the market. Two and a half, perhaps three years is required for the young oyster to mature; to become ready to rest on the lower shell edged around a plate, with the central piece of

Capt. Williams, manager of the beds, brought some large succulent well flavored oysters from the nearer beds when a Colonist reporter and artist visited him a few days ago, and both are now witnesses to the flavor and general qualities of the Esquimalt oyster. It ranks head of the classes of oysters they have known. The oyster boats which come up to Montreal to lie where Bousecours market throws its shadow to the docks and small boys loot their tribute from the holds may come with their Malpeques, the Cape Cod beds may give their best flavored bivalves, the Japanese oysters may grace the low tables of the inns of Japan. There may be Blue Points for other diners, the reporter and the artist care not; they are witnesses

for the Esquimalt oyster. They found Capt. Williams, his rubber boots reaching to his knees showing the silt of the tidelands, his pith helmet that is a relic of his far eastern experiences tilted back on his head, waiting at the edge of the bluff. beneath the awninged roof of his little bungalow. The view from that bungalow looking beyond where the branches jut from the water like young trees in a submerged orchard, beyond the gray buildings, empty and abandoned on Magazine island, their gray contrasting with the rich colorings of the arbutus and the autumn-tinged leaves of the clustering trees on the deserted island, is one well worth seeing. Beyond these things are the ships, swinging to their anchors, the chains drawn tight; the waiting ships, steamers and sailers, black and red hulled, with little whisps of smoke lifting in the still air from the steamer's stacks, and beyond, rising straight is the smoke of the city, lifting above the nearer greenery of the foreshore. It is a pretty sight. But Capt. Williams looks nearer. It is the avenues of branches that bound the oyster beds which he favors as a view. He laid out these beds for the West Coast fishing company of Victoria, in which he is associated with Dr. George L. Milne, H. A. Dyer, W. K. Houston and L. Ashwell, of Victoria, Col. Markham and Mr. Leonard of Vancouver and Capt. J. A. Mayhan and Mr. Geer of Tacoma. He went to the oyster beds at Cape Cod and Bridgeport to select the young oysters and arranged for the first million and a half that came, and last spring he went and secured two and a half million more.

It is before sunrise, long before the dawn, when the grey of the approaching day offers just enough light to work, that the workers go out, rubber-booted, into the soft mud of the then uncovered oyster beds. It is the long run-out. The water has receded far, and the flooded orchard of the high water is now a paddy field with bordering paths, groved with branches to mark them, and each square is gray with close-piled shells. The boats, moored over the beds lie among the oysters. With hig pronged rakes the Chinese workers drag up the growing oysters. They are hauled to and fro, loosened up, and the full-grown ones are raked aside, to be shovelled, heaped high above the gunwales into the grounded boats. Slowly the tide comes back, reaching further with every flow. The Chinese are soon working shin deep in water, raking and filling the heavily-plaited wicker baskets that are used to load the oyster boats. Then, the water is knee deep, they have to clamber into the boats, which have been floated, and the work of the day on the beds is at an end. They are driven back, bed by bed, to those nearer inshore by the rising tide, until, as the tide reaches its maximum

they are left paddling in the waters close in shore, raking the closer beds. If further work is necessary they must go into their flat-bettomed beats, armed with the double rakes which the oyster planter knows as "tongs" to lift the oysters from beneath the water. Most of the work, however, is done at low

At high water the loaded boats are towed in to the sorting house on the float at the edge of the jetty under the bluff where Capt. Williams has his home. There the sorters cull the morning's take and the shipments for the market are prepared, the company's de-livery wagous are loaded and start for the stores where dealers sell to Mrs. Victoria. The methods of culture at Esquimalt are

somewhat dissimilar from those in vogue on the Atlantic side. There most of the planting is done in water where the bottom is never visible, often reaching a depth of thirty feet and upward. The ground varies there from quite soft to that almost as hard as asphalt pavement. Labor saving devices also, have been made a prominent factor in the economical development of the enterprises on the eastern coast, and steamers of a net register of fifty tons or more, equipped with large dredges, operated by steam hoisting apparatus, bring from the depths with these from fifteen hundred to twenty-five hundred bushels of oysters during the course of an ordinary day's work. A crew of four men is needed to man these dredges. Here, as in most beds on the Pacific Coast, the cultivation is carried on entirely in the shallow water, and the work is much easier. It is much more difficult to clean up a bottom of oysters where the bottom cannot be seen. Moreover, a deep bottom on this coast is impracticable, as many oysters would be lost and money would be lost on the planting. In the east where oysters regenerate naturally, even if some are not obtained by the dredges, the cost of them has been nothing; while here where every oyster must be bought for planting, and in addition to the purchase price must pay a freight rate of \$2.55 per 100 pounds, it will readily be seen that an oyster saved is an oyster made and an oyster not recovered is meney lost. One big advantage possessed by the western beds is that the oyster beds are not threatened by the heavy freezes of the cast, where ice forms over the harbors and remains fast for from four to six months in some places, and the planters of the Pacific coast do not have to be careful to avoid the dangers of freezing and thawing of the oysters or the carrying of them off in the

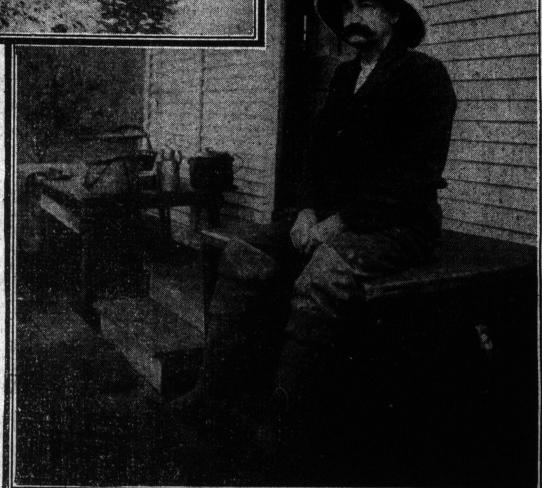
Machinery, too, enters little into the work in the west. The beds are soft bottomed, and dredges are not used to any extent for fear that the crust will be disturbed. The dredge used in the east is a huge and heavy rake or scraper which drags the oysters into a bag, the entire apparatus being lifted to the surface when the bag is full. At Esquimalt, when the tide has covered the beds, tongs are used instead of this method. A pair of tongs is geared something like a pair of scissors with long wooden handles, except that instead of having blades, something like two rakes is used, and raised to the surface when filled with oysters. The use of rakes and short tongs is another method adopted.

For the past four years the Washington. State Fish Commission has been carrying on a series of experiments at its fisheries experiment station at Keyport, endevaoring to find some method whereby the eastern oysters might be propogated here. It has been found that the reproductive elements ripen and are cast into the water, but aside from an occasional oyster being found, practically no set results from this spawning. The observations and experiments that have thus far been made seem to indicate that the temperature of the

more heavily to supply the demand. Indians and white men resorted to them at all times and seasons, gathering the oysters by the canoe load and shipping them into the market. The starfish, too, ever an enemy of the oyster came up from the deeper waters and so nearly completed the work of stripping the beds that today many that were once wonderfully productive are no longer oyster beds but barren mud flats with a few shells to reflect the past productiveness.

·/ THE PILGRIMS OF TIBET

Once in Tibet we passed two young lamas from Khan. They did not walk like ordinary pilgrims, but literally measured off the distance with their own bodies. Lying down full length on the ground, they would join their hands over their heads and read a prayer, then make a mark on the road, arise, join their hands together again and repeat the entire cer-



THE PLANIFER - CAPT GEO. V. WILLIAMS COND

water is too low, particularly at night, and emony all the way round the mountain. Perwhere the temperature of the water can be controlled better results will follow.

The success attending the transplanting of the eastern oyster has suggested the possibility of introducing other species into our waters. Attention has been turned particularly to Japan, where they have several species of oysters, three, at least of which are of commercial importance. The Japanese have developed quite a complicated system of cultivation and produce an immense number of excellent oysters. Those around Hiroshima attain about the size and shape of the eastern "Blue Point." The shells are deep and thin and have much the same general appearance of an eastern oyster. Further north, around some of the northern islands, another species is found which attains a much larger size. This is not cultivated to any extent, being a deep water form. A study of the temperature and general conditions surrounding these Japanese oysters indicates that they would be particularly well adapted for transplanting here and it is possible that they might propogate readily.

The Bellingham Eay Company recently made quite a large shipment from Hiroshima and planted on their beds near Whatcom. Through lack of proper packing and care in shipping many of these were lost, but enough were saved to indicate that better results may reward future efforts. Some of the other large companies are now scriously considering making shipment in the near future.

Among the native oysters of this vicinity probably the beds best known are those of Young Brothers, of the New England hotel at Sooke. Indians living in this vicinity can point out many places where there have been extensive beds of native oysters, the head waters of Victoria arm beyond the Gorge having at one time been well stocked. Not only here but also on Puget Sound and in Oregon waters large areas could be found a few years ago where these oysters grew and flourished abundantly. The shell heaps on the shores of many bays show that the Indians have for many years visited these beds and obtained a large part of their food supply from them. The early settlers found in these oysters a substitute for the much larger oyster of the eastern coast, which has now followed them in their migration westward through the enterprise of a local syndicate. As the cities grew the demand for oysters increased and each year these natural beds were drawn on

subject to too sudden changes for the young formed in this manner by "prostration," the embryo to develop. It is possible that with journey took 20 days. The two lamas we saw d only done about half the distance, and they contemplated doing the whole journey twice. One of them was to return there after having completed his duty as a pilgrim. The other-he was barely 20 years old-was to pass the remainder of his earthly life in a dark grotto on the banks of the Upper Tsangpo.

Few forms of self-mortification are of such value as this life spent in the dark, this absolute separation from the world, from one's fellow-men and the light of the sun. In Linaggunpa I obtained much valuable information regarding this curious custom. In the prayer grotto at that place-a little stone hut at the foot of a cliff-was then a lama who had already been immured for three years. No one knew him, no one knew whence he came nor what his name was, and even were one to know his name it was forbidden to mention it before human beings. But they told me the day he went into the grotto he was followed in most solemn procession by all the red monks of the monastery, and when all the ceremonies prescribed in the holy books had been gone through, the narrow entrance into the grotto had been closed up again. We were standing outside it. I asked the head lama whether he could hear us talk. He replied, "Oh, no; he can neither hear nor see; he is sunk night and day in profound meditation." "How do you know that he is alive?" "The food (tsamba) which is passed into him once a day through an underground passage is eaten up by the morning; but should we find the dish untouched one morning, we should understand that he had died."

How wonderful! For days and weeks I could not drive the picture of this lama out of my mind. Never to hear a human voice, never to get a glimpse of the sun, never to see the difference between night and day, only to know of the approach of winter by the lowering of the temperature. I pictured to myself the day when he was entombed in the cave. He sat there alone and watched them fill up the opening with blocks of stone-the light growing continually less, till finally only a tiny little hole was left. Through this he took his last farewell to the sun, and when that, too, was fully closed up, he remained in complete and utter darkness. Since that time three years have now elapsed. In another temple like Linga, absolutely unknown by Europeans, a lama had lived immured in this manner for 69 years! Sven Hedin, in Harper's Magazine,