

adverse conditions under which the work has been carried forward will enable the reader to understand under what difficulties we have labored. One of our greatest troubles was the water supply, which at its best is limited to a small quantity, and in the time it is most required nearly drying up. The Gold Beach hatchery is also located within three-fourths of a mile of the ocean, hundreds of miles below the natural spawning beds of the earliest spring Chinook salmon, which adds greatly to our difficulties, as when the salmon have just entered from the sea they are very delicate, not bearing any rough handling, besides retaining in ponds for such a length of time as is required for them to ripen, calls for constant watchfulness in order to keep up a steady water supply. To this is added the difficulty of obtaining the adult salmon alive to put in the ponds, as the fishing on the river is done entirely by gill nets. The fish taken by them cannot be used, as when the mesh of the net gets into the gills the fish are sure to die; and in order to get fish for the ripening ponds we have to use seines and float the fish in crates for several miles, besides handling them several times when they are the least able to endure such treat-

ment. It would seem that in view of the simplicity of the methods and certainty of success of salmon cultivation, good evidence of which is shown by the operations of our neighbor in the Dominion of Canada, who in 1887 had established nine salmon hatcheries, by which they have kept up the supply in the various sections of their country, together with the showing made by the writer, whose work has increased the supply of spring salmon in Rogue river nearly four fold, in spite of very adverse circumstances, the record showing that it is the only river in the world where fishing has been done steadily each season that has shown such an increase, while the fall run in the same river, which has not been propagated, has fallen off in as great a proportion, should satisfy any reasonable mind as to the value of salmon culture, and stimulate not only those engaged in the business of canning, but the State and general government, to assist and encourage in every way possible the cultivation of this excellent fish. If the writer, by the feeble efforts which appear in any of the preceding pages, is able to awaken any to the importance of, and necessity for speedy action, he will have been amply repaid for his exertion.