

THE FATHER OF FISH CULTURE.

Seth Green's Ideas About the Finny Tribe and Some of His Varied Experiences.

(Turf, Field and Farm.)

"How did you ever come to devise this scheme?"

"I have been working at it ever since I was large enough to bend a pin."

The above remark was addressed to Mr. Seth Green, the veteran fish culturist, who is known to the entire world, and his reply indicates the extent of his labors.

"When I was quite young," he continued, "I would lie on the limbs of trees that reached out over the water entire afternoons watching the movements of the fish, and studying their habits. In this way I discovered many characteristics which were before unknown. I saw, as every observer must see, the destructive elements that are warring against fish, and I realized that unless something were done, the life in the streams of this country would become extinct. To counteract this disastrous end became my life work, and I am happy to say I have seen its accomplishment."

"Were you successful on the start?"

"No, indeed. Up to that time all artificial attempts to hatch and raise fish from the spawn had failed, and I was compelled to experiment in an entirely new manner. The work was a careful and tedious one, but I finally succeeded to-day I am able to hatch and raise fully seventy-five per cent. of all spawn."

"Enormous! Why that is a larger percentage than either the vegetable or animal kingdoms produce in a natural condition."

"I know it, but we exercise the greatest care in the start, and guard the little fellows until they become able to care for themselves."

The foregoing conversation occurred at Caledonia where the representative of this paper was paying a visit to the state fish hatcheries. It has been his privilege to report very many interesting sights within the past twenty-five years, but the view presented here exceeds in interest anything ever before attempted.

"How many fish are there in those ponds, Mr. Green?"

"As we have never attempted to count them it will be impossible to say. They extend way up into millions though. We shipped over three millions out of the pond this year and there seemed to be as many after-ward as before. We have nearly every variety of the trout family and many hybrids."

"You speak of hybrids, Mr. Green. What do you mean by that?"

"I have experimented for years in crossing the breed of the various fish and I am still working upon it. We cross the female salmon trout with the male brook trout, and thus produce a hybrid. Then we cross the hybrid with the brook trout, which gives us three-quarter brook trout and one-quarter salmon trout. This makes one of the finest fishes in the world. He has all the habits of the brook trout, lives in both streams and lakes, develops vermilion spots on his sides, rises readily to a fly, is far more vigorous and fully one-third larger than the ordinary brook trout of the same age. The possibilities of development in the fish world are great and we are rapidly ascertaining what they are."

As the man of news watched the countenance of Mr. Green while he was giving the above account, he could not but feel that he was in the presence of one of the few investigators who, from a rich and life-long experience, bring great benefit to the world. Let the reader imagine a strong and stalwart frame, surmounted by a head strongly resembling that of Socrates and covered with a white silky beard and luxuriant gray hair. Seth Green, the father of fish culture, is a picture of health, and the reporter could not help remarking so.

"If you had seen me the last winter and spring, young man, you might have thought differently," said the veteran.

"How is that? One would think, to look at you, that sickness was something of which you knew nothing."

"And so it was until last winter. I went down into Florida in the fall to see what kind of fish they had in that state and study their habits and I was attacked with malaria in its severest form, and when I came home I realized for the first time in my life, that I was sick. My symptoms were terrible. I had dull, aching pains in my head, limbs and around my back. My appetite was wholly gone, and I felt a lack of energy such as I had often heard described but had never experienced. Any one who has ever had a severe attack of malaria can appreciate my condition. I went to bed and remained there all the spring, and if there ever was a sick man I was the one."

"It seems hardly possible. How did you come to recover so completely?"

"My brother, who had been afflicted by a severe kidney trouble and threatened with Bright's disease was completely cured by a remedy in which I had great confidence. I therefore tried the same remedy for my malaria and am happy to say I am well again to-day and through the instrumentality of Warner's Safe Cure, which I believe to be one of the most valuable of medicines. Indeed, I see it is endorsed by the United States medical college of New York, and that Dr. Gunn Dean of that institution, has written a long article concerning its value."

"And are you now as well as formerly?"

"Apparently so. I keep the remedy on hand all the while though and do not hesitate to recommend it to others."

"One question more. How many ponds of fish have you here and how are they divided?"

"Well, we have 43 ponds which are divided up as follows: 22 ponds of brook trout, 2 ponds of salmon trout, 4 of McCloud river or rainbow trout, 2 ponds of German trout, 3 of California mountain trout, 2 ponds of hybrids, 4 of one-quarter salmon and three-quarters brook trout, 2 ponds of gold fish, and 1 pond of carp. They we have what we call the centennial pond or 'happy family,' consisting of crosses of different fish, including Kennebec salmon, Land Locked salmon, California salmon, brook trout, salmon trout and hybrids. These fish range in size from minnows to 18-pounds, and in age from one and one-half months

to eleven years. I forgot to say, also, that we have a 'hospital' pond, which is entirely empty, which speaks pretty well for a community of many millions. Indeed the whole secret of fish culture can be summed up in four things. Impregnation,—using no water. Plenty of food. Plenty of pure water and cleanliness."

The numerous fish exhibitions which are taking place in all parts of Europe and the unusual interest which is being manifested in this subject throughout the world all owe their origin to the process above described as originated and conducted by Seth Green. It is certainly cause for congratulation to every American that this country produces so many men whose genius brings value to the world, and it is proof positive of the greatest merit that a remedy even with such high standing as Warner's Safe Cure is known to have should be so strongly endorsed and recommended by one so reputable and reliable as Seth Green.

The Jews in the Holy Land.

The colonization of Jews in the Holy Land is likely to be a dire failure unless radical measures of relief and reorganization are immediately adopted. Reports have reached England that the colonists at Zimmarin, who are nearly all refugees, are literally dying of hunger, and the colony at Rosh Pinah is in almost equal difficulties. The resources of the Central Committee at Galatz are said to be exhausted, and it is not easy to see how the situation of affairs can be changed unless the rich Jews of Europe and America come to the rescue. At Rosh Pinah there is no money to develop the resources of the colony, while at Zimmarin there are more families than the land is capable of supporting. The chief mistake seems to have been in undertaking the colonization enterprise without sufficient funds to make it feasible. The London Globe goes so far as to say that "the whole project has been so grossly mismanaged that it is time the control of it passed into more capable hands."

Webster's Love for the Old Home.

Among the various reminiscences of Daniel Webster, suggested by the centenary of his birth, Jan. 18, is the following extract from Daniel Webster's speech at Saratoga the following reference to the hour of his infancy, which has been pronounced as beautiful a specimen of language as has been written in the English tongue:

"I love to dwell on the tender recollections, the kindred ties, the early affections and the touching narratives and incidents which mingle with all I know of this primitive family abode. I weep to think that none of those who inhabited it are now among the living; and if ever I am ashamed of it, or if I ever fail in affectionate veneration for him who reared it, and defended it against savage violence and destructive fire, and through the fire and blood of a seven years' revolutionary war, shrunk from no danger, no toil, no sacrifice, to serve his country, and to raise children to a condition better than his own, may my name and the name of my posterity be blotted forever from the memory of mankind!"

Lights that Ride the Waves in Violent Gales and Tossing Waters.

From the Providence Journal.

The illuminated buoy is a wonderful invention. Imagine an enormous lamp riding the waves. The buoy is a compact wrought-iron vessel, which serves as a receiver of compressed gas. The duration of the flame depends upon the size of the buoy. Some in use in Europe have been made to burn thirty days and some one hundred and twenty days. It is said that a buoy of sufficient size will contain gas enough to furnish the light for one year. During that time the flame is steady and constant night and day, requiring no attention whatever after once put in operation. The lantern is attached to the buoy by a chain, and is fed the flame, but not a particle of water can enter.

The most violent gales, the greatest force of the waves, submerging even beneath them, has no effect upon this light. It burns with undimmed brightness as long as gas is in its reservoir. The light, it is said, can be thrown six or seven miles in clear weather. Salty deposits are not made on the glass of the lantern, as has been demonstrated. The refilling of the buoy at certain intervals is performed by a tender and requires but a few minutes time. It is done by passing the gas from a storage holder, which contains the gas compressed to ten atmospheres, by means of a flexible tube into the buoy to a pressure of six atmospheres.

Catarrh and Hay Fever.—For twenty years I was a sufferer from Catarrh of the head and throat in a very aggravated form, and during the summer with hay fever. I procured a bottle of Ely's Cream Balm and after a few applications received decided benefit—was cured by one bottle. Have had no return of the complaint. CHARLOTTE PARKER, Waverly, N. Y. (Price 50 cents per bottle.)

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New York county doctors are in the midst of a code war.

"HORCH ON RATS"—Cures out rats, mice, fleas, roaches, bed-bugs, ants, vermin, chipmunks. 15c. The Panama canal is to be done in 1888.

FLORENCE, GA.—Dr. W. B. Prather, says: "Brown's Iron Bitters have given satisfaction in every instance I have known it used."

Wise's Axle Grease never gums.

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A street railway company has been organized in Wabasha, with \$10,000 capital.

REPUTED MEN—"Wells' Health Renewer" restores health and vigor, cures dyspepsia, impotence. \$1.

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An invaluable strengthener for the nerves, muscles and digestive organs, producing strength and appetite, is Brown's Iron Bitters.

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A saloon was recently burglarized in Minneapolis to the amount of \$13.

WELLS' "HORCH ON CORNS"—15c. Ask for it. Complete, permanent cure. Corns, warts, bunions.

Mrs. Caroline Fossum of Manchester died recently aged ninety-three years.

Rev. W. B. Smith, Gratton, Mass., says: "I have derived benefit from using Brown's Iron Bitters for a low state of blood."

I have taken Seth's Specific (S. S. S.) for Rheumatism, and found perfect relief. It is the best tonic and Blood Remedy known to science. D. P. Hill, Attorney at Law, Atlanta, Ga.

Hattie Olmsted, aged 15, married Henry Phillips, seventy-five, at Greig, Lewis county, New York.

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