

pond, and they weighed from 5 to 734bs. each. Three of them I killed for my epicurean friends, and the remaining three I rolled up in a wet bag. I started with them for Brooklyn at 3 P. M., and on my way met Mr. James Ridgeway, counselor at law, and Messrs, Page and McLain, of the Eagle, who carefully examined them. I gave the dead ones to my friends, and placed the living ones on the roof of my house, with two wet bags over and bencath them. There they remained all night. Next day at 2 P. M., I took one of them to the Eagle office, and there showed him still alive and in good condition, but as the tender-hearted Kinsella thought some of Mr. Berght men ought to be sent for, I made my escape and went to New York to Messrs. Middleton & Carman's tile establishment in Fulton Market. These gentlemen were more consistent, and instead of calling on Mr. Berght, they proposed to give the carp a drink after his long journey. That suited us all, and for the first time in twenty-four hours that property was in his native element, and it is needless to say that he enjoyed it.

The New York Sua noted the fact that of the fish distributed by the United States Commission, this was the largest one yet found in our water. It turned the scales at 734bs.

The other two still remained in the wet bags in Brooklyn, and at 9:30 P. M. I poured a pail of water over them. Next morning 1 took them to Chief Engineer John Y. Culyer's house on the borders of Prospect Park, showed them to him and received his permission to place them in one of the lakes in the park. I transferred the fish to Mr. Spear, chief clerk, and he drove near to the water, and gave them to an attache, who in the water of our beautiful Brooklyn Park. This occurred at \$250 A. M., so that for 4354 hours the fish water that has the minioned in my prescue deposited them alleys and in good condition in the water of our beautiful Brooklyn Park. This occurred at \$250 A. M., so that for 4354 hours the fish were out of water. The is a considerably longer time for the carp to be

### THE RAINBOW TROUT.

# BY JAMES ANNIN, JR.

N bringing this subject before you, gentlemen, I know how unable I am to handle it in a proper manner, and have a fear that I may be considered liable to reproach for my in-

In biringing this subject before you kennesses, and have a fear that I may be considered liable to reproach for my incompetency.

Every article upon the rainbow trout that I remember to have seen has been greatly in its favor and loudly in its praise. I think that something is to be said in the negative, but don't wish it understood that I take decided grounds against them, but think that there are a few facts and surmises worthy of your attention.

The advantages claimed for the mountain or rainbow trout are gameness, rapid growth, hardiness, adaptability to waters that will hardly support the book trout, etc. Now as to their game qualities, they certainly are one of our gamest fish known, and are quicker than our Eastern brook trout, requiring all your attention after they take fly; but I have been told by a gentleman who has taken in our Eastern waters rainbow trout which weighed a pound each, that he thought after their first two or three rushes they tired out quicker than our native brook trout. As to their rapid growth it must be conceded that they grow faster than our native brook trout. Are they a hardy ish? Yes, Decidedly so, A person has no trouble in raising them; they don't refuse food, pine away and die as many of the brook trout will do in confluement, but they will eat often and in great quautities, and will sometime take a bite out of their neighbor, as a pond of them will show to be a fact, by many marks, scars, loss of part of a fin, etc. Adaptability to waters that will hardly support our brook trout is the best thing, I think, that can be said of them, for if such waters are stocked with them, we will have them in their proper place, their naission will be fulfilled, and people in general will then consider them a great acquisition.

What I consider all wrong is that they are turned into good trout streams before the results can be told. We would not consider it any advantage if bass or pickerel were put into that good trout stream or pond. We have an endless number of streams, lakes and pon

make a good catch. He takes it into his head that he will put into this stream the rainbow trout, and carries out his plans. After a year or two he begins catching the new comers, of good fair size, and he is astonished to see how they have grown. He has lots of fun with them, they are so very gamy, but if the weather is at all warm, he will find on arrival home that the new fish are begining to be quite soft, while the native fish are hard. What I say about their becoming soft. I have learned partly by experience and partly by what say about their becoming soft. I have learned partly by experience and partly by what several dishermen have told me. One gentleman worst that they were like dried herrings when he got home. Our gentleman don't think much of this, and a year or so more passes along when he invites a friend out to his preserve on the opening day of brook trout fishing, and they have plenty of sport, lish are plenty and perfectly willing to bite, but, confound it, they are almost all rainbow trout, and must be returned to the stream, as the law on them is not off for a month or more yet! Our friend works hard and long for a string of brook trout such as he could formerly take in a short time before introducing the rainbows. Now, gentlemen, if this suppositious case proves true, is it advisable to put them into your time trout streams? It is proving itself to be true as fast as possible in one of the best trout streams in the State of New York, that has been stocked some four years, I believe, with rainbow trout.

A word to ishculturists. Will it pay to make any great outlay, until we know that the rainbow trout are a profitable fish? And another question is, are they a good market fish? They certainly are not if they become soft very soon after coming from the water. What will the market price be? Will the fly-fisherman show his basket of mountain trout with the same pride, as he did when filled with the native brook trout, are also questions to be answered.

I know one fisherman that will not put one

The President Annual has opened a question which it may be worth our while to consider. Perhaps it will be well to learn more of this fish before filling our streams with it. I would suggest that Mr. Mather give us his opinion on it.

Mr. MATHER—I have had no personal experience with the rainbow, or, as it is sometimes called, the California mountain trout, and I am of the opinion of Mr. Page that it will be well to go slow until we know more. The fish came in with a hurrah and everybody seems to want it. It grows fast and may supplant our native trout entirely, and to my liking the latter is the best fish and the handsonest of the two. Imported species often thrive and drive out native ones, witness the so-called Norway rat, which has supplauted the mative until the latter is extinct on the seacost, and even in parts of the West. An imported species often grows faster in its new home than it did in its original one, as witness the Genman carp in America. I am not prepared to say much of the rainbow trout: I have watched it with interest in ponds, but do not know how it will agree in streams with the native. If grows faster, it will get all the food and the native will suffer. In that case I am opposed to it. If it will live in streams where the native will not, then it may be a good thing. We now have the curse of sparrows upon us, brought about by enthusiastic introducers of foreign species, and with this example of mistaken benevolence before us, I think we should be cautious.

Mr. BLACKFORD—I do not yet know what value the rainbow trout will bear in the market. When it first comes in it will sell readily to those desiring to experiment. After that it will rest on its merits. I have no fear that it will supplant the fourfinalis on the table of the epicerre. Mr. B. B. Redding, Fight Commissioner of California, writes me that the Humboldt River trout, Salmo clarkit, is much superior to the S. iridea, or rainbow trout. The Californian is are now introducing our Bastern brook trout into their streams, and are lo

Eastern brook trout into their streams, and are loud in their praises of it.

Mr. PHILLIPS—Might the rainbow trout not follow the rule that all the salmonidae of the Pacific coast are inferior to those of the Atlantic coast? I believe that I have understood Mr. Blackford to assert that the Pacific salmon are inferior to ours. Mr. BLACKFORD—They are. They may grow faster than our Eastern coast fishes, but Californian salmon are not so good. When they first began to send them here they sold car loads of them at forty to fifty cents per pound. Now it is difficult to sell a small lot at thirty cents. I notice another market man here, one who has had experience with these fish, and would ask Mr. Middleton what his opinion is.

Mr. MIDDLETON—I agree with Mr. Blackford entirely. The salmon of the Pacific are inferior and do not sell well here, now.

Mrs. Lewis—I think all fish should be judged by the color

now. Mrs. Lewis—I think all fish should be judged by the color of its skin. The dark brook trout is coarser and of fuller fibre, and where this is the case it is the best. I think the rainbow trout brought East would be dark. California salmon have not gained the high reputation in the markets of Europe that the Salmo salar has. It is not considered a good salmon.

Mr. Annin—I have eaten the rainbow trout. Lieutenant Mansfield, of the U. S. Navy, has caught them in the West

and in my stream, at Caledonia, N. Y. One of the party went on the lower end of the stream to take rainbow trout and caught many. He saved the larger ones in the well of the boat and had them cooked in the morning. We all ate of them and it was the unanimous verdict that they were interior. Lieut. Mansfeld said that they tasted like black bass from warm and muddy waters. Last summer I cooked one which was good. It had red flesh, the only one of the species that I ever saw with red flesh. Some Rochester gentlemen own the lower preserve on our stream, and they have said that they would give a hundred dollars if there was not a rainbow trout in it.

Mr. Wiers—We need all the trout we can get in Pennsylplaces. Rainbow trout should never be put into good streams where the native trout will thrive. Those who handle them should be certain that they are not making a mistake, and should have a correct knowledge of the habits and merits of the fish before distributing them too widely.

The meeting then adjourned until the following day.

#### THE TILE FISH.

# LOPHOLATILUS CHAMÆLEONTICEPS-GOODE AND BEAN,

Corpolatilus chameleonicers—Goode and bean.

This fish was first-discovered in 1879 by Capt. W. H. Kirby, I of Gloucester, Mass., who forwarded a specimen to the U.S. National Museum, where it was described and named by Prof. 6. Brown Goode and Dr. Tarleton H. Bean. Capt. Kirby took about five hundred pounds of this fish on a codifish trawl, at a depth of eighty-four fathoms, eighty miles south of Noman's Land. The largest one of his catch weighed fitty pounds.

Messrs. Goode and Bean say that the species appears to be generically distinct from the already described species of the family Latitide of Gill. It is related by its few-rayed vertical fins, and other characters, to the genus Latilus as restricted by Gill, but is distinguished by the presence of a large adipose appendage upon the mape, resembling the adipose fin of the Salmonida, and by a fleshy prolonzation upon each side of the labial told extending backward beyond the angle of the mouth.

Several of these fishes have been taken and have been caten and pronounced excellent, but no number has been sent to market. In our issue of March 30, will be found an account of the great number of dead fish which half a dozen vessels, whose course was wide apart, report as visible, were all of they were numerous, at least among the dead fish, and afterward the specimen sent him proved his surmise correct, for they were all "tile" fish.

Strolling down to Fulton Market one day near the close of last week we saw a large fish handing above Blaciford's stand and a crowd of people surveying it. Upon nearing it we saw thas it was the much talked of tile fish, a handsome yellow-fiecked specimen of fifty pounds weight. This fish was picked up on Thursday. April 20, by the schooner Herald of the Monting, Capitain Levi N. McLean, in lat. 37.29, long, 74, about eighty-five miles off the capes of Virginia. When seen it was floating on its buck and struggling, and was brought on board with a gaff and five for two hours on the deck.

The name "tile fish" is one designed by the

## FISHERY EXHIBITION IN LONDON NEXT YEAR.

FISHERY EXHIBITION IN LONDON NEXT YEAR.

OUR English friends are already stirring in the matter of inducing the United States to take part in the Fishery Exhibit of 1883, and we wish them success in it. There is no doubt of the advantages to be derived by our fishermen and others interested by an exhibition of our fishery resources in London. As the case stands it will require a special appropriation by Congress to enable our country to be represented, as the Commissioner of Fisheries has no tunds which he can use for this purpose. If, however, Minister Lowell moves in the matter it may be accomplished, Advices by cable from London, April 20, say: A meeting with held at the Mansion House to day in furtherance of the proposed fisheries exhibition at London in 1883. Mr. Lowell, the American Minister, said that he had grounds for believing that his government would participate. He had, he said, this morning transmitted by cable to Washington the formal invitation.

The Prince of Wales has interested himself in this matter, as may be seen by the following which was called to the New York Herald on the 20th:

At an influential meeting held at Willis' Rooms, London, the Frince of Wales presided, and thus briefly stated the objects of the exhibition: "Ladies and gentlement, the report of the Duke of Richmond has brought before your notice sauent points and important statistics in connection with this