

salmon, 38 lbs. weight, 3 feet 10 inches in length; salmon 45 lbs. weight, 4 feet in length; land locked salmon (wanoanish) 60 lbs. weight, 2 feet in length; great lake trout; lunge 3 feet in length; sea trout, 22 inches in length; speckled trout, 22 inches in length; sturgeon (short nose), 5 feet 6 inches in length; sturgeon (sharp nose), 3 feet 6 inches in length; do., 4 feet 9 inches in length; muskelonge, 40 lbs. weight, 4 feet 2 inches in length, and 35 lbs. weight, 4 feet in length; pike, 15 lbs. weight, 3 feet 4 inches in length, and 12 lbs. weight, 3 feet in length; gar pike, pickerel, channel catfish, 15 lbs., 8 lbs., and 4 lbs. in weight; mudpout, bullhead, pike, perch (yellow) 8 lbs. 2 feet 3 inches in length; turbot, 5 lbs. weight, 2 feet in length; mooneye, 1 foot in length; pale sucker, mullet sucker, common sucker, mullet.

Also a Restigouche bark canoe used in salmon fishing; a Murray Bay canoe used in porpoise hunting, and a model of a gulf fishing schooner.

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#### EXPERIMENTS WITH CHEMICAL MANURE.

In a recent number of the *Chemical News*, Mr. A. B. Griffiths gives the result of some experiments made to ascertain if possible the reason why plant life, when treated with a chemical manure, composed principally of animal charcoal, phosphates and ferrous sulphate, should grow so luxuriantly. The details of the experiments are as follows:—

Three very young savoy cabbages, all nearly of the same weight, and in a healthy condition, were chosen. No I. cabbage was planted on a piece of land, and no manure was added to the soil on which it grew. No. II. cabbage was planted on the same piece of land and near to No. I., but was treated with a weighed quantity of this chemical manure. No. III. cabbage was planted on a different piece of land to that on which No. I. and II. stood, and was treated like No. II. with the same quantity of manure, but grew more in the shade.

Plants Nos. I. and II. therefore received the same amount of sunlight and rainfall, but No. III. plant grew under different conditions. All the plants were placed in the ground on the same day, and grew from February to December. Then they were carefully taken up with their roots attached, all adhering soil was removed by washing, and they were then weighed.