

deposit. The odour is perhaps now equally strong from both specimens, but there is as great difference between the quality of the odours as in the appearance of the specimens.

The experiments on fish have been chiefly made on herrings. Freshly-caught herrings immersed in iodate water (containing 0.1 per cent of iodate) remain in hot weather perfectly good for about four days, after which they begin to slowly change. If dry iodate is sprinkled over the fish (1 or 2 decigrams. of iodate to a dozen fish) instead of immersing them in the solution, the result is the same, and in neither case is it possible to detect the slightest foreign flavour in the taste of the fish. It is remarkable that the solid, and very sparingly soluble, iodate of calcium, which, so sparsely sprinkled over the fish, can only be in contact with very small spots here and there; should still exercise its preservative power throughout as completely as when a solution is used; that such is the case has, however, been proved, not by one or two experiments, but by many, since both last season and this, I have very frequently eaten fish kept fresh for a few days after being caught, by the dry or wet method indifferently. Salt herrings, a staple article of food in the Isle of Man in the winter time, have more or less of a disagreeable rancid flavour, whether eaten with or without removal of the salt they have taken up. But if salt herrings are first soaked in water long enough to remove as much of the salt as is considered desirable, and then immersed in iodate water for twenty-four hours, they lose entirely this disagreeable flavour, and are completely restored to the condition, as to flavor, that they were in when freshly caught.

I have made several experiments on the preservation of meat by the iodate, and have obtained results similar to those described for fish. In the case of meat, the solution of the iodate cannot advantageously be used, since the juices are extracted, and the meat thereby injured. A very minute proportion of the solid iodate, sprinkled over meat,