(1065)

The Description, Culture, and Use of Maiz. Communicated by Mr.Winthorp.

The Corn, used in New England before the English Planted there, is called by the Natives, Weachin, known by the name of Maijs in fome Southern parts of America, where, and even in the Northern parts, amongst the English and Dutch, who have plenty of Wheat and Grain, this fort of Corn is still much in use both for Bread, and other kind of food.

The Ear is for the most part, about a span long, composed of several, commonly 8. rows of Grains, or more, according to the goodness of the Ground; and in each row, usually above 30. Grains. Of various colours, as Red, White, Yellow, Blew, Olive, Greenith, Black, specked striped, &c. sometimes in the same field, and the same Ear. But the White and Yellow are the most common.

The Ear is cloathed and armed with feveral firong thick Husks. Not only defending it from the Cold of the Night (being the latter end of *September* in fome parts before it be full ripe) and from unfeafonable Rains: but alfo from the Crows, Starlings and other Birds; which being allured by the fweetnefs of the Corn before it hardneth, come then in great flights into the fields, and pecking through the top of the Cover, devour as far as they can reach,

The Stalk groweth to the hight of 6. or 8. feet; more or lefs, according to the condition of the Ground, or kind of Seed. The Virginian groweth taller than that of New England. And there is another fort used by the Northern Indians far up in the Country, that groweth much shorter than that of New-England. 'Tis always joynted like a Cane. And is full of sweet juice, like the Sugar-Cane. And a Syrup as sweet as Sugar may be made of it; as hath been often try'd. And Meats sweetned with it, have not been diffinguished from the like sweetned with Sugar. Trial may eafily be made, whether it will not be brought to Crystallize or shoot into a Saccharine Powder, as the juice of the Sugar-Cane.

At every joynt there are longLeaves almost like flags, and at the top, a bunch of flowers, like the blossoms of Rye.

It is Planted between the middle of March and the beginning of June. But most commonly from the middle of April to the middle of May. Some of the Indians take the time of the coming up of a Fish, called Aloofes, into the Rivers. Others of the budding of fome Trees.

In the pure Northerly parts, they have a peculiar kind calld Mohauks Corn, which though planted in June, will be ripe in feasen. The falks of this kind are fhorter, and the Ears grow nearer the bottom of the ftalk, and are generally of divers colours. The The manner of Planting is in Rows, at equal diftance every way, about 5. or 6.feet. They open the Earth with an Howe, taking away the furface 3. or 4. inches deep, and the bredth of the Howe; and fo throw in 4. or 5. Granes, a little diftant one from arother, and cover them with Earth. If two or three grow, it may do well. For fome of them are ufually defiroyed by Birds, or Moufe-Squirrels.

The Corn grown up an hands length, they cut up the weeds, and loofen the Earth, about it, with a broad Howe : repeating this labour, as the Weeds grow. When the Stalk begins to grow high, they draw a little Earth about it : and upon the putting forth of the Eare, fo much, as to make a little Hill, like Hop-Hill. After this, they have no other bufinefs about it, till Harveft.

After 'tis gather'd, it must, except laid very thin, be prefently stripped from the Husks; otherwise it will heat, grow mouldy, and sometimes sprout. The common way (which they call Tracing) is to weave the Ears together in long Traces by some parts of the Husk left thereon. These Traces they hang upon Stages or other Bearers within doors, or without; for, hung in that manner, they will keep good and sweet all the Winter after, though exposed to all weathers.

The Natives commonly Threfh it as they gather it, dry it well on Mats in the Sun, and then beftow it in holes in the Ground (which are their Barns) well lined with withered Grass and Matts, and then covered with the like, and over all with Earth : and so its kept very well, till they use it.

The English have now taken to a better way of Planting by the help of the Plough; in this manner; In the Planting time they Plough fingle Furrows through the whole Field, about 6 feet diftant, more or lefs, as they fee convenient. To thefe, they Plough others a crofs at the fame diftance. Where thefe meet they throw in the Corn, and cover it either with the Howe, or by running another Furrow with the Plough. When the Weeds begin to overtop the Corn, then they Plough over the reft of the field between the Planted Furrows, and fo turn in the Weeds. This is repeated once, when they begin to Hill the Corn with the Howe; and fo the Ground is better loofened than with the Howe, and the Roots of the Corn have more liberty to fpread. Where any Weeds efcape the Plough, they ufe the Howe.

Where the Ground is bad or worn out, the Indians used to put two or three of the forementioned Fishes, under or adjacent to each Corn-hill, whereby they had many times a Crop double to what the Ground would otherwise have produced.

The English have learned the like Husbandry, where these Aloofes come up in great plenty, or where they are near the Fishing-stages; having there the Heads and Garbage of Cod-sist in abundance, at ano charge but the fetching. The

(1067)

The Fields thus Ploughed for this Corne, after the Crop is off, are almost as well fitted for English Corn, especially Summer Grain, as Peafon or Summer Wheat; as if lying fallow, they had had a very good Summer Tilth.

The Indians, and some English (especially in good Ground, and well filhed) at every Corn-hill, plant with the Corn, a kind of French or Turkey-Beans : The Stalks of the Corn ferving inftead of Poles for the Beans to climb up with. And in the vacant places between the Hills they will Plant Squashes and Pompions ; loading the Ground with as much as it will bear. And many, after the laft weeding, sprinkle Turnep-feed between the Hills, and fo, after Harvest, have a good Crop of Tur-Th 202

The Stalks of this Corn, cut up before too much dryed, and fo laid Sup, are good Winter-fodder for Cattle. But they usually leave them on Bthe Ground for the Cattle to feed on. The Husks about the Ear are Ā good Fodder, given for change fometimes after Hay.

13 The Indian women flit them into narrow parts, and fo weave them Sartificially into Baskets of feveral fashions.

This Corn the Indians dreffed feveral ways for their food. 20 Sometimes boyling it whole till it fwelled and became tender, and fo either eating it alone, or with their Fish or Venison instead of Bread. Some-stimes bruising in Mortars, and so boyling it. But commonly this way, without burning, to be very tender, and turned almost infide outward, and also white and flowry. This they fift very well from the Alhes, and beat it in their wooden Mortars, with along Stone for a Pefile, into Efine Meal. This is a conftant food at home, and especially when they Stravel, being put up in a Bag, and fo at all times ready for eating either dry or mixed with Water. They find it very wholfom Diet. And Bis that, their Souldiers carry with them in time of War. The English Fometimes for novelty, will procure fome of this to be made by Ethe Indian women, adding Milk or Sugar and Water to it, as they please.

The Indians have another fort of Provision out of this Corn, which they call Sweet-Corn. When the Corn in the Ear is full, while it is yet green, it hath a very fweet Taft. This they gather, boyl, and then dry, and fo put it up into baggs or baskets, for their ufe: boiling it again, either whole or grofly beaten, when they eat it, either by it felf, or amongst their Fish or Venison or Beavers, or other Flesh ; accounting it a principal Difh.

These green and sweet Ears they sometimes roaft before the Fire or in the Embers, and fo eat the Corn. By which means, they have fufficient fupply of food, though their old Store be done. Their Souldiers also most commonly at this time goe out against their Enemies, mies, having this supply in their Marches both at home and in the Ene-

The English, of the full ripe Corn, ground, make very good Bread. But 'tis not ordered as other Corn. For if it be mixed into fliff Paste, it will not be fo good, as if made only a little stiffer than for Puddings; and so baked in a very hot Oven, standing therein all day or all night. Because upon the first pouring of it on the Oven-floor, it spreads abroad, they pour a second layer or heap upon every first, and thereby make so many Loves. Which if baked enough, and good, will be of a deep yellowish colour; if otherwise, white.

It is also fometimes mixed with half or a third part of Rye or Wheat Meal, and so with Leaven or Yell made into Loaves of very good Bread.

Before they had Mills, having first watered and Husked the Corn, and then beaten it in Wooden Mortars; the courser part fifted from the Meal, and separated from the loose Hulls by the Wind, they boyled to a thick Batter: to which being cold, they added fo much of the fine Meal, as would serve to stiffen it into Past, whereof they made very good Bread.

But the beft fort of Food which the English make of this Corn, is that they call Samp. Having first watered it about half an hour, and then beaten it in a Mortar, or elfe ground it in a Hand or other Mill, into the bigness of Rice, they next lift the Flower, and Winnow the Hulls from it. Then they boyl it gently, till it be tender, and so with Milk or Butter and Sugar, make it into a very pleasant and wholfom Dish. This was the most usual Diet of the first Planters in these Parts, and is still in use amongst them, as well in Feavers, as in Health : and was often preferibed by the Learned Dr. Wilson to his Patients in London. And of the Indians that live much upon this Corn, the English most acquainted with them, have been informed by them, That the Difease of the Stone is very feldom known amongst them.

The English have also found out a way to make very good Beer of Grain: that is, either of Bread made hereof, or else by Malting it. The way of making Beer of Bread, is by breaking or cutting it into great lumps about as big as a mans fift, to be massive and fo proceeded with as Malt, and the impregnated Liquor, as Woort, either adding or omitting Hopps, as is defired.

To make good Malt of this Corn, a particular way must be taken. The Barly Malt-Masters have used all their skill to make good Malt hereof the ordinary way; but cannot effect it; that is, that the whole Grain be Malted, and tender and flowry, as in other Malt. For it is found by experience, that this Corn, before it be fully Malted, must sprout out both ways, (*i.e.*bothRootandBlade), to a great length; of a finger at least; if more, the better. For which, it must be laid upon an heap

heap a convenient time. Wherein on the one hand, if it lyeth of a fufficient thickness for coming, it will quickly heat and mould, and the tender Sprouts be to intangled, that the leaft opening of the Heap breaks them off; and fo hinders the further maturation of the Grain into Malt. On the other, if it be flirred and opened to prevent too much heating, these sprouts which have begun to shoot, cease growing, and confequently the Corn again ceafeth to be promoted to the mellowness of Malt.

To avoid all these difficulties, this way was try'd and found effectual: Take away the top of the Earth in a Garden or Field two or three inches, throwing it up half one way, and half the other. Then lay the Corn, for Mait, all over the Ground fo as to cover it. Then gover the Corn with the Earth that was pared off; and thereis no more to do, till you fee all the Plot of Ground like a green Field covered over with the Sprouts of the Corn, which will be within ten days or ra fortnight, according to the time of the year. Then take it up, and thake the earth from it and dry it. For the Roots will be fo Intangled together, that it may be raifed up, in great pieces. To make it very clean, it may be walhed, and then prefently dry'd on a Kiln, or in the Sun, or spread thin on a Chamber floor. This way, evegy Grain that is good will grow, and be mellow, flowry and very fweet ; and the Beer made of it, be wholfom, pleafant, and of a good brown colour. Z Yet Beer made of the Bread, as aforefaid, being as well coloured, as wholfom and pleafant, and more durable ; this therefore is most in use. And the rather, becaufe the way of Malting this Corn, last described, as as yet but little known amongst them.

An Account of the manner of making Malt in Scotland; by Sir Robert Moray.

https://roy Alt is there made of no other Grain, but Barley. Whereof there are two kinds; one, which hath four Rows of Grains Son the Ear; the other, two Rows. The first is the more commonly Buled ; but the other makes the beft Malt.

The more recently Barly hath been Threshed it makes the better Malt. But if it hath been Threshed fix weeks or upwards, it proves Snot good Malt, unles it be kept in one equal temper; whereof it eafily Ofailes, especially if it be kept up against a Wall: for that which lies in the middle of the Heap is fresheft, that which lies on the outfides and at top is over dry'd, that which is next the Wall fhoots forth, and that which is at the bottom Rots. So that when it comes to be made into Malt, that which is spoiled, does not Come well (as they call it) that is, never gets that right mellow temper Malt ought to have, and fo fpoils all the reft. For thus fome Grains Come well, fome not at all, fome half, and fome too much.

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