FORMS OF CATTLE.

From The Furmers' Cabinet.

Messis. Editors, "Your correspondent, WP H., on page 260, of the present vol. of The Cabinet, asks it some of your readers cannot furnish the most approved anatomical forms of cattle, particularly the unich cow?

Some years ago, I wrote for The Reporter this piece appears to answer your correspondents of its contents. Think plates are of great adrequest, I shall transcribe a part of it for that you age to the butcher, when the anomal is purpose, and make such additional remarks as may be suggested. In making the following observations, I acknowledge my obligations to many writers; but none to the gentleman in Indiana, who, a few years ago, turnshed the more capacity to the pelvis, which is of much improve as multished in The English Lagrance in the case of great adressed the purpose. own production.

I shall proceed to give those forms, and the great weight to the upper part of the thigh. I shall proceed to give those forms, and the Stranght legs are now the fashion, and are said desirable qualities generally connected with to be stronger than crooked ones. Clean legs,

particularly where it joins the head-breast wide, and projecting well before the legs shoulders moderately broad at top, and the twist are legged ones. When the busket and points well in some teachers are legged to the legs than long legged ones. When the busket and points well in some teachers are legged to the legs than long legged ones. points well in, so as to leave no holtows behind them when the animal is moderately fat—the girth behind the shoulders should be deep, so that if the carcase should be cut across here, ends-back strught, wide and flat ribs broad, apart-tail broad towards the top, tapering down small towards the bottom -body long, behind-skin soft and clastic-veins large.

constitution.

The wide breast and deep body, give greater room for the lungs, the importance of which muscles (lean flesh), so he can tell whether will be seen presently. A strught back is an animal will fatten in such parts, and whether indicative of strength; a weak animal is gene the fat will be well mixed with the lean. But rally hump-backed; poor keeping will produce this knowledge is not to be obtained without rally hump-backed; poor keeping will produce this knowledge is not to be obtained without for grinding. The syrup or molasses obtained these deficiencies in a calf that was at first well much practice.

The straight back also denotes aprillable above described the most approved first, and although a part of it was kept several

the side of the belly, generally called the milk veins, is a certain indication of a good milch cow. The milk is formed from that portion of blood that cuculates on the external part of the cow; and as large veins denote a large circulation, so it is indicative of a good milker The bull with a deep flank generally produces good milk stock. The belly being nearly straight, shows that the plates of which it is a piece on this subject, which was republished composed are thick and strong; -when the in The Franklin Farmer, of Feb. 1838. As plates are than, the felly sucks from the weight this piece appears to answer your correspondences of its contents. Think plates are of great adpiece, as published in The Franklin Farmer, importance in the cow, giving the calf mote to an agricultural paper of that State, as his toom. The hind-quarter that is long from the hip to the rump, and straight with the back The two principal objects in rusing cattle will weigh very heavy, and for the same reason appear to be beef and mdk. And as certain the twist (that is the space between the thighs) forms are found to possess particular qualities, should be wide and well filled up, which gives small bones, tapering tails, show fine honethe countenance cabn - horns fine neck light, and such animals are easily kept, and when

I somewhat doubt the propriety of insisting upon a long body; but a good animal with a long body, will weigh much heavier than one that it the carcase should be an ellipse, blunt at both with a short boay; but a is much cases. There the section would be an ellipse, blunt at both breed good animals with short todies. There and the space between them and the hips small is a continual tendency in the produce of the —flank full and heavy —belly well kept m— long bodied animal to be narrow in the breast, hips globular, wide acress and on a level with which is not the case with the horter animal. hips globular, wide across and on a rever want the back—twist wide, and the seam in the back—twist wide, and the seam in the middle of it well filled—thigh strught, tapering of the carcass can be kept up, a long body is well down to the hock—the legs strught, short to be preferred. Round hodies were formerly to be preferred. Round hodies were formerly to be preferred. the fashion, but the deep body is now thought to be decidedly best. The limbs do not join to and joined smoothly to the quarters before and the body of the round animal, as smoothly as to the oval, there generally being a hollow I shall now proceed to show the advantages of the above form. The reason why the head should be small and muzzle fine, -a small head facilitates birth, and as the head is composed mostly of bone, it shows towness of bone, the advantages of which is taby appreciated by the grazier, who has learned that no animal fattens kindly that lacks them. Calminess of countenance also denotes a disposition to be contented, and is generally possesed by a gentle milch cow, and also denotes an animal that will fatten easily. The light neck will be very advantageous to the butcher, who will get much less coarse meat in such; short neck generally denotes a thrifty, hardy animal.

A did don, there generally carry behind the shoulder; neither is the carcass as heavy. Round animals too generally carry the fat upon the surface, and do not mix it as well with the flesh. A soft and clastic skin is one of the most certain tests of an animal that will fatten kindly. An animal may have the finest form and the most perfect symmetry, but fine lacks the proper "feeling," he will not fatten kindly. On the other lamb, if he has the proper "feeling," he may have much has the proper "feeling," he may have much that will fatten kindly. By "feeling," is meant certain sensitions produced by "touching or heading" an animal; the caucass as heavy. Round animals too generally carry the fat upon the surface, and do not mix it as well with the flesh. A soft and one time the surface, and do not mix it as well with the flesh. A soft and the shoulder; neither is the carcass as heavy. Round animals too generally carry the fat upon the surface, and do not mix it as well with the flesh. A soft and one of the most certain tests of an animal that will fatten kindly. An animal may have the fat upon the first will will tatte kindly. An animal test one of the most certain tests of an animal that will fatten kindly. On the other lamb, if he has the proper "feeling," he may have the fatten kindly. On the other lamb, if he has the proper "feeling," he may have the fa behind the shoulder; neither is the carcass as this cellular substance can be discovered by an experienced " handler," even down among the

nected with large veins, particularly those on upon half the food necessary to fatten an inferior animal.

I have said nothing about the shape of the udder and teats, as these can be best judged of when the cow is in milk; and then the best proof is milking her. Still it may be serviceable to say, the udder should rather be round than long; should lay up close to the body; should spread forward—teats about equally distant, of moderate size, say about two inches in diameter, next the udder, and taper down to the point, which should be blunt rather than sharp: they should be from four to six inches long. The udder, when empty, should be greatly reduced in size, and the skin should contract so as not to leave it flabby-it should not feel at this time hard and knotty, as this would indicate that it might become thickened and scirrhous, so as to make the cow liable to inflammations, and probably loss of some of the quarters.

SAMUEL D. MARTIN.

Colbyville, Kentucky, April 3, 1843.

CORN STALK SUGAR AND MOLASSES.

To the Editors of the Tenesses State Agriculturist.

In compliance with a request set forth in the last number of the Agriculturist, I now furnish you with such information as I possess on the subject of making Sugar and Molasses from the common corn-stalk, which, if you deem of sufficient importance, you may publish in your valuable journal.

Respectfully, your obed't Servant, WAI. H. DEADERICK.

Having during these hard times felt somewhat testive under a heavy tax imposed by the necessity of providing for the daily consumption of a large family, and sumulated by the Essay of Mr. Webb, on the subject of manufacturing Sugar from Corn stalks, I determined last summer to give the project as fair. trial as my entire inexperience in the business would permit. Accordingly, the construction of a small mill, with two rollers about fifteen inches in diameter, was procured, and the first effort made with stalks from which the corn had been taken for the purpose of cooking.
The juice, after standing half an hour to settle, was deposited in a bell metal kettle to boil, and when hot, a table spoonful of lime water was added for each gallon of juice.—
Before it became too thick for the purpose, it was again strained and carefully skimmed during the whole process of the boiling. When broiled down to the point of crystallization which is indicated when a portion taken whilst warm between the thumb and forefinger, can he drawn into a thread from a half to an inch in length, it was removed from the fire, and a small quantity set aside far granulation. In about three days, this process commenced, and after perhaps one sixth part had crystalized, it. ceased and would proceed no further. The next trial was from stalks, the corn on which had just become too hard for table use. like manner portions were set aside, and the next day granulation commenced, and twice as much underwent this process as in the first instance. The third essay was with stalks, the corn on which had nearly become hard enough formed. The straight back also denotes aptitude to fatten. Much depends upon the recent the lings have, no animal can be a good one whose lungs occupy a med space and as the lungs occupy at most space and as the lungs occupy at the space made the ribs, so it is important that this space should be large for this reason, the ribs should spread wide, be deep, and extend well back to the hips the full, heavy flank of the cow, is a most certain indication of a good milker, this, con-