

SOME SANITARY ASPECTS OF BREAD MAKING.

BY CYRUS EDSON, M. D.,
Health Commissioner, New York City.

It is necessary, if one would understand the sanitary aspects of bread making, to fully comprehend the present theory held by scientists of germs and the part played by them in disease. The theory of disease germs is merely the name given to the knowledge had of those germs by medical men, a knowledge which is the result of innumerable experiments. Being this, the old term of a "theory" has become a misnomer. A germ of a disease is a plant, so small that I do not know how to express intelligibly to the general reader its lack of size. When this germ is introduced into the blood or tissues of the body, its action appears to be analogous to that which takes place when yeast is added to dough. It attacks certain elements of the blood or tissues, and destroys them, at the same time producing new substances.

But the germs of the greater part of the germ diseases, that is, of the infectious and contagious diseases, will develop or increase in number without being in the body of a human being, provided always you give them the proper conditions. These conditions seem to be found in dough which is being raised with yeast. They are warmth, moisture, and the organic matter of the flour on which the germs, after certain changes, feed.

It is necessary to remember at this point that yeast is germ growth, and

ing each of which it may gather the dirt containing the germs from the baker's hands. As no bread save that raised with yeast, goes through this long process of raising and kneading, so no bread save that raised with yeast has so good a chance of gathering germs.

What is meant by "raising" bread is worth a few words. The introduction of the yeast into the moist dough and the addition of heat when the pan is placed near the fire produces an enormous growth of the yeast fungi—the yeast "germ," in other words. These fungi effect a destructive fermentation of a portion of the starchy matter of the flour—one of the most valuable nutrient elements in the flour. The fermentation produces carbonic acid gas, and this, having its origin in every little particle of the starch which is itself everywhere in the flour, pushes aside the particles of the dough to give itself room. This is what is called raising the bread.

It needs but a glance to see that it is, in its effects on the dough, purely mechanical. The dough, which was before a smooth-grained mass, is now full of little holes, and when cooked in this condition is what we ordinarily call light. This porous quality of bread enables the stomach to rapidly and easily digest it, for the gastric juices quickly soak into and attack it from all sides. The fermentation of the dough, however, gives up a portion of the nutrient elements of the loaf. If it is possible, therefore, to produce a light porous loaf without this destruction and without the "kneading"



"DISEASE GERMS FOUND THEIR WAY INTO THE YEAST BREAD."

when introduced into a mixture of glucose or starch, in the presence of warmth and moisture, is the result of fermentation. If the mixture be a starchy dough the yeast first changes a portion of the starch into glucose and then decomposes the glucose by changing it into two new substances, viz., carbonic acid gas and alcohol.

Now the gas which is also a constituent of dough and moist starch affords, with the latter, an excellent nidus for the development of germs of disease as well as for the yeast germs. The germs of cholera, as of typhoid fever, would, if introduced into dough, find every favorable condition for their growth.

I do not wish to "pose" as an alarmist, nor am I willing to say there is very much chance of the germs of typhus and of cholera reaching the stomachs of the people who eat bread which has been raised in this way. But while I am not afraid that cholera and typhus will be greatly spread by yeast-raised bread, I have not the slightest cause to doubt that other diseases have been and will be carried about in the bread.

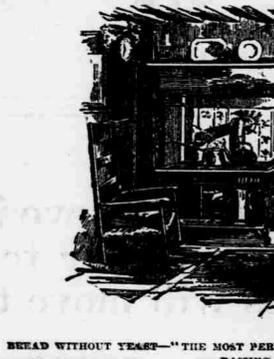
I have met journeyman bakers, suffering from various diseases, working the dough in the bread trough with naked hands and arms. I suppose I need scarcely say this was put a stop to in very short order. I have no reason to suppose bakers are less liable to contagious diseases than are other men, and I know as every housewife knows, yeast-raised bread must be worked a long time. This is an exceedingly objectionable thing from the standpoint of a physician, and for the reasons that the germs of disease which are in the air and dust and on stairways and in street cars, are most often collected on the hands. (So well do physicians know this that there is no abolition practical equal to that which they undergo before they perform any kind of surgical operation. Any person who has ever kneaded dough understands the way in which the dough cleans the hands.) In other words, this means that any germs which may have found a lodging place on the hands of the baker before he makes up his batch of bread are sure to find their way into the dough, and once there, to find all the conditions necessary for their multiplication and growth. This is equivalent to saying that we must rely on heat to kill these germs, because it is almost certain that they will be there. Now, underdone or doughy bread is a form which every man and woman has seen. It is a bread which the hills that contain disease germs is unhealthy. This reputation has been earned for it by the experience of countless generations, and no careful mother will wish her children to eat bread that has not been thoroughly cooked. The reason given for this is that the unhealthfulness has been that the uncooked yeast dough is very difficult to digest, and this reason has value. No one but a physician would be apt to think of disease germs which have not been killed during the process of baking as a cause of the sickness which follows. Yet this is the case in more than one instance. I have not the slightest doubt that could we trace back some of the cases of illness which we meet with in our practice to the bread which the germs collected by the baker have found their way into the yeast bread, that the heat has not been sufficient to destroy them, that the uncooked yeast bread has been eaten and with it the colonies of germs, that they have found their way into the yeast bread, that the cell food services which followed, has rendered off this sequence of events.

I have already pointed out that the germs of disease are to be found in the air and dust. The longer any substance to be eaten is exposed to the air, the greater the chance that germs will be deposited on it. Bread raised with yeast is worked down or kneaded with the hands before being baked and this process may take anywhere from four hours to ten. It has, then, the chance of collecting disease germs during this process of raising and it has two periods of working down or kneading dur-

process, which fills the dough with germs and filth, and without the long period during which the raising process goes on, the germs in food and the main in the avoidance of the germs is exceedingly plain.

But while we can easily see the dangers which attend the use of yeast it is certain that the ventilating effect produced by it on the dough is to the last degree perfect. By this I mean that every particle of gluten produces its little bubble of gas and that therefore the bread is properly raised—that is, it is raised everywhere. It is apparent that if we are to substitute any other system of breadmaking we must have one which will give us first, mechanical results usually as good, that is, that will produce minute bubbles of carbonic acid gas throughout the mass of dough. Now it is in no way difficult to produce carbonic acid gas chemically, but when we are working at yeast we must use such chemicals as are perfectly healthful. Fortunately these are not hard to find.

The evils which attend the yeast-made bread are obviated by the use of a properly made, pure and wholesome baking powder in lieu of yeast. Baking powders are composed of an acid



BREAD WITHOUT YEAST—"THE MOST PERFECT OF ALL CONCEIVABLE WAYS OF RAISING IT."

and an alkali which, if properly combined, should when they unite at once destroy themselves and produce carbonic acid gas. A good baking powder does its work when the loaf is in the oven, and having done it, disappears. But care is imperative in selecting the brand of baking powder to be certain that it is composed of non-injurious chemicals. Powders containing alum or those which are composed of impure ingredients, or those which are not combined in proper proportion or carefully mixed and which will leave either an acid or an alkali in the bread, must not be used.

It is well to sound a note of warning in this direction or the change from the objectionable yeast to an impure baking powder will be a case of jumping from the frying pan into the fire. The best baking powder made is, as shown by analysis, the "Royal." It contains absolutely nothing but cream of tartar and soda, refined to a chemical purity which when combined under the influence of heat and moisture, produce carbonic acid gas, and having done this, disappear. Its leavening strength has been found superior to other baking powders, and as far as I know, it is the only powder which will raise large bread perfectly. Its use avoids the long period during which the yeast made dough must stand in order that the starch may ferment and there is also no kneading necessary.

The two materials used in the Royal, cream of tartar and soda, are perfectly harmless when used as they are. They are combined in exact compensating weights, so that when chemical action begins between them they practically disappear, the substance of both having been taken up to form the carbonic acid gas. More than this, the proper method of using the powder insures the most thorough mixing with the flour. The proper quantity being taken, it is mixed with the flour and

stirred around in it. The mixture is then sifted several times and this insures that in every part of the flour there shall be a few particles of the powder. The salt and milk or water being added, the dough is made up as quickly as possible and moulded into the loaves.

These are placed in the oven and baked. But the very moment the warmth and moisture attack the mixture of cream of tartar and soda, these two ingredients chemically combine and carbonic acid or leavening gas is evolved. The consequence may be seen at a glance, the bread is raised during the time it is baking in the oven, and this is the most perfect of all conceivable methods of raising it.

Here, then, there is no chance for germs of disease to get into the dough and thence into the stomach, more than that the bread is necessarily as sweet as possible, there having been no time during which it could sour. This involves the fact that the bread so made will keep longer, as it is less likely to be contaminated by the germs that affect the souring process.

It will be strange if the crowds of visitors to the wheat market do not greatly increase the number of contagious diseases, which we will have to treat. Under these circumstances it is not folly of follies to open a single channel through which these germs may reach us; it is not the part of wisdom to watch with our eyes and ears all that we eat and drink, and to see that none but the safest and best methods are employed in the preparation of our food? To me it seems as though there could be but one answer to questions like these.

I have shown the danger of using yeast in bread, and with this I have shown how that danger may be avoided. The ounce of prevention which in this case is neither difficult nor expensive is certainly worth many pounds of cure, and the best thing about it is that it may be relied on almost entirely. Those who during the coming summer eat bread or biscuits or rolls made at home with Royal baking powder may be sure they have absolutely stopped one channel through which disease may reach them.

Note—Housekeepers desiring information in regard to the use of the bread which Dr. Edson for sanitary reasons so strongly urges for general use, should write to the Royal Baking Powder Company, New York.

HOW INSECTS MAKE MUSIC.

Katydid Rub Their Shoulder Blades and Grasshoppers Stroke Their Wings.

Everybody is familiar with the music of the katydid. Here, again, says the Washington Star, it is the male that has the voice. At the base of each wing cover is a thin membranous plate. He elevates the wing covers to scratch the two plates together. If you could rub your shoulder blades together you could imitate the operation very nicely.

Certain grasshoppers make a sound when flying that is like a watchman's rattle—clackety-clack, very rapidly repeated. There are also some moths and butterflies which have voices. The "death's head" moth makes a noise when frightened that strikingly resembles the crying of a young baby. How it is produced is not known, though volumes have been written on the subject. The "mourning cloak" butterfly—a dark species with a light border in its wings—makes a cry of alarm by rubbing its wings together.

The katydids, crickets, grasshoppers and other musical insects are all exaggerated in the tropics, assuming great forms. Their voices are proportionately louder. There is an Indian cicada which makes a remarkable loud noise. It is called by the natives "dandub," which means drum. From this name comes that of the genus, which is known as dandubia.

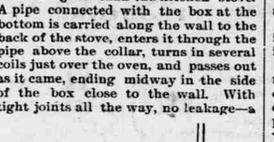
AGRICULTURAL HINTS.

THE HANDY MECHANIC.

How He Can Supply the Farm Kitchen with Hot Water.

A friend of mine has not only carried water into the kitchen in pipes, but with his own hands has made a connection for the kitchen stove, which heats an abundance of water for all household purposes without lifting and without any danger of explosions from steam.

A box holding 4 to 20 gallons of water must be mounted near the sink and lined with copper or tin or a strong iron-bottomed tub. In either case it must not have a tight-fitting lid, or an explosion of confined steam would result. To fill the tank, a short piece of pipe or trough is placed so that water will run from the cold-water faucet into it. (See A in cut.) Another faucet for hot water from the tank makes the work easier than dipping it out. The heating is done as follows: The water tank is higher than the kitchen stove. A pipe connected with the box at the bottom is carried along the wall to the back of the stove, enters it through the pipe over the collar, turns in several feet to the right and enters the stove, as it came, ending midway in the side of the box close to the wall. With tight joints all the way, no leakage—a



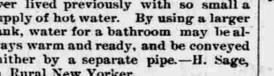
very annoying thing in any kitchen—The coldest water falls to the bottom of the tank, and, being heated, returns, entering the top of the tank by the other pipe. The arrows in the cut show the motion of the water. Instead of expensively drilling the side or back of the stove, a slot is merely cut in the stovepipe, which is easier, and just as effective for hot water. The water pipes. Galvanized pipe is not needed in the stove, and probably it will be necessary to get a length coiled for the purpose by a plumber, as this is a difficult job to do without spoiling the stove. The arrangement is shown in the cut, and the quality of the product of such hogs is said to be superior to the product of the corn-fed animals. If this is true, it seems to open up the possibility to the wheat farmer of introducing to the markets of the world a brand of American pork which in time would become as famous as Minnesota hard wheat, and, like it, command the highest prices and the best markets.

It is certainly a matter worthy of consideration.—A. B. Stickley.

SPLENDID EGG CASE.

It Does Away With Packing or Freezing.

For those who have eggs to save we give a design of an egg case by Mr. Thomas C. Hope, of New Jersey. It may be made of any size preferred. The eggs are turned by taking out a tray of eggs, placing an empty tray over the opening, and turning the tray at the ends, and then turning the tray over, which brings the lower tray on top and leaving it free to be used as



AN EGG CASE.

LIVE STOCK NOTES.

Clover is excellent food for pigs. It is nutritious, succulent and cheap and the pigs like it.

Good feeding and breeding must go hand in hand. The one to be a success must be supplemented by the other.

If animals are given constant access to water, that the strength of all is only after being deprived of it for long intervals that they are likely to overeat.

If enough farm animals are kept to consume the crops grown on the farm, little fertility will be removed from the soil. Selling grain constantly wears out land.

Sows which produce large litters of good pigs and are careful with them had better be kept for breeders until they are old. It is not profitable to experiment too much with young untried sows.

Keep some good oats in a sack of your coils until they learn to eat. It is a great advantage to have them eat grain well when weaning time arrives. They can be held up in flesh by increasing the supply of grain and it will help them during the entire winter.

The palatability of a food has much to do with its value, the animal's appetite being a pretty good guide in feeding. As with men, individual animals have varied tastes. The food must be suited to these or best results cannot be attained. Different animals also require different quantities of a ration.—Orange Judd Farmer.

How to Pack Farm Freshmeats.

The thought is an old one, but far too valuable to be allowed to fall into desuetude because of age, that the products of the farm, when they are to be marketed, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in the most presentable and acceptable shape and the best condition possible. This fact cannot be too strongly impressed upon the minds of the producers. The merchants know how to do it by artistic displays on their counters and in their market prices, must be put up in