THE DAIRY.

AROUT JERSEY COWS.

RURAL EDITOR, - Will you please answer a question or two.

- 1. What is the average price of a Jersey cow?
- 2. What is the average yield of butter?
- 3. Would you advise a common farmer to get a Jersey cow? JOSEPH GOODWIN.

[It would be very difficult to state the average price of Jersey cows in this country as the figures realized have been altogether fancy ones. As butter-makers Jerseys are unequalled; but all things taken into consideration, it is doubtful whether they are as profitable for the ordinary farmer as common or grade cattle. The advisability of our correspondent getting a Jersey cow will greatly depend upon the purpose for which he requires it. If for general use on a farm then we say, no. But if he wishes to start a herd of high-priced cattle to breed for sale, then he must follow his own inclination. Perhaps some of our readers who know will give the average butter vield of a Jersey com.]

ODOURS ABSORBED BY MILK

Experienced butter makers are aware of the absorptive qualities of milk, and guard against injury from this source, never permitting milk to remain for a longer time than is absolutely necessary in an atmosphere laden with edours that are likely to impart a disagn-cable flavour to the cream or butter to be made from it. But it is to be feared that far too many farmers who do not make a specialty of dairying are carcless in this matter, and frequently leave the freehly drawn milk standing in the stable or barn for some little time after milking, where it is exposed to the odours that are always prevalent in such places. When the milk is taken to the house and set for the cream to rise, it is also frequently placed in cellars where there are vegetables, or in reoms from which the edours from the kitchen are not rigorously excluded, as they should always be.

We will not say that a fair quality of butter cannot be made by these who have not at command all the modern appliances; but we do say that a first-class article cannot be produced from milk expect to an atmosphere laden with foul odours of any kind. Outside of the best dairy regions, or where butter and cheese are specialties of the farmer, it is very difficult to find a really good article of Lutter; and in proof of the truth of this, we have only to examine that which is taken in trade at country stores and greceries, or is gathered by reddlers and small dealers throughout the country. We know that it is very difficult to convince the ordinary farmer's wife that the lutter she is making from week to week is not really "gilt olpol," although she may admit that her malk room is often invaded by fumes emanating from cooking meat and vegetalles in the litchen, and that in the press of work she cannot always this, the milk or churn quite as often or regularly as she would like to. but even with these irregularities in the way, she is inclined to think that there are no good reasons for considering her butter anything less than first-

Upon this subject of the absorption by milk of various volatile sub tances, Dr. Dougall, of Glasgow, has recently published an excellent paper, a synopsis of which was given in the Sexitarian. To test the absorptive powers, Dr. Dougall enclosed in a jar a portion of certain substances giving off emanations, together with a uniform quantity of milk, for a period of eight

stratum of the vessel exposed in the jar, with the following results: Milk exposed to turpentine, onions,, tobacco smoke, creosote, and parffiane oil smelled very strong of these substances. Putrid fish gave the milk a very bad odour. Coal gas, cabbage somewhat decayed, stale cheese, and assafotida gave the milk a distinct odour, while ammonia, camphor, and chloroform only imparted a moderate odour.

From this experiment it would appear that the milk absorbed the emmations of all the substances to which it had been exposed, and, fur ther, that all the specimens examined retained their distinctive odours for fully fourteen hours after their removal from the glass jar in which they had been exposed. According to Dr. Don gall, cream may be regarded as acting in much the same manner as milk; for while it contains less water than milk, it has special qualities of its own, which may perhaps make it even more liable to retain offensive and dangerous emana tions than the parent fluid itself.

Abundant evidence has, however, been given to show that far more care is needed in connection with the storage of milk than has heretofore been regarded as necessary, especially where milk and cream are kept in apartments or wards which the milk is exposed are of a diseased and the sample can remain free from offensive and immutes, on a test, and somehow or other left the dangerous properties, and it should become an indangerous properties, and it should become an insick rooms, and never to allow a supply which has thus been exposed to unwholesome emanations to be used as food. Prof L. B. Arnold, referring to this subject of absorption in his "American Darrying," says: "The influence of blows over its surface."

All liquids, however, have absorbent powers, milk, as Prof. Arnold says, being full of only matter, and holding albuminoids and sugar in solution, offers to every species of ferment just what is most desirable for it to flourish in. Every, odour that comes in contact with milk is grasped to the cow when grown. and taken in at once, and its grasp is never slackened.

WHEN THE COWS COME HOME.

come home. From the meadow to the milking, more milk and be more likely to hold out long in they come in rambling basic. Way down the milk, if her after-care is judicious and liberal, as shady lane a pull of dust arises. The cloud deepens until the view is closed. "The cows are coming home," calls some one. From the roll sort of second nature. Couple the heifer with an ing dust emerges the horns, the head, the flanks of a Jersey. One after another the cloud gives them forth, embodying them rapidly until the herd stands revealed. Up the lane they come trooping, the dust cloud hanging about their flanks and still enveloping the centaur who speaks from the unseen with his pistol-like whip and hurries them on. A charming sight it is! Tudora, stately queen of the herd, leads the way. With head uplifted and swinging pace she wheels

beaming in her eyes. After her the herd-Jerseys all and every one a jewel-pressing in slow tumult through the gate, bringing in their rich udders the essence of the rifled pastures, as honey bees bring home the stolen sweets of the flowers. Once in the open lot the herd disperses and each cow wends her way to her special stall.

Then begins the milking. Osccola, a coloured man of great dignity and reserve, with his hair done up in cotton string curl papers, is in charge of the herd. For fourteen years he has been trusted and found worthy. He has his assistants who place the huge milk cans, each with the strainer, at convenient intervals through the barn. The assistants then with cans of clear water wash the dusty udders and respectfully retire. Then Osceola's time has come. Adjusting his white apron he leaves the crowd, whose questions he has been answering with caution and hauteur, and seats himself by the side of the first cow in the first row.

Milk? Well, I just wish you could see him! With two sinewy hands and a rotary motion, the head thrown back, the foot beating time, and the milk fairly hissing into the pail, in two big streams. Three minutes to the cow, and with fine energy and abstraction he moves from one occupied by sick persons. If the emanations to stall to another, filling the big milk cans as he gots. Picking out half a dozen favourite cows dangerous quality, it is all but impossible that the milked thirteen and a half gallous in fifteen variable rule to keep as little milk as possible in the cow's milk, too, and not milkman's milk.— H. I. Grady in Atlanta Constitution.

HOW TO MAKE GGOD MILKERS.

No matter what breed you have, something the air upon milk is not confined to the absorp- further is necessary in order to reach the best tion of the spores which produce acidity. Spores success in raising good milkers. Good blood, of every other kind are taken in as well. Nor whether Short Hora, Jersey, Devon, Ayrshire, does the absorptive power of milk end with grade or native, is not everything, but lies at the absorbing living germs. It takes in odours as free | foundation: something cannot come from nothing. ly as infectious germs. It is a fact which cannot Treatment in raising a milker should be somebe too strongly impressed upon the mind of every what different from that in raising a beaf animal, one connected with the care of milk or the manu- or an animal for labour. Begin as soon as the facture of milk products that milk takes in every walf is a day old; see that it has sufficient to eat, odour as well as the seeds of every ferment that and is kindly treated and regularly attended to. Never pamper or overfeed, but give it good, generous fired, to cause a regular, early and steady and if pure water is left standing in a vitiated at. growth. Accustom it to be handled, but not to mesphere, it will seen show by its taste and smell such an extent as to acquire objectionable habits that it has absorbed fereign substances. It as a cow, but rather to be fond of the presence of the keeper. Kindness helps to create a quiet disposition, so important in a dairy cow, and this education must begin when the calf is young. Any liabits acquired when young are apt to cling

For a milker I would have a heifer come in at two years old. She is then old enough to become a cow. I would not, as a rule, allow her to go farrow, but milk her up to within a few weeks of calving, even if I did not obtain but Every afternoon I go down to see the cows little at a milking. A cow thus trained will give older buil, one, two or three years older than she 18, 18 preferable to a yearling, and better stock is likely to come from such. After the heifer has come in her feed should be regular and liberal. Good clover hay is the last of all, but we all may not have this for stall feed; then we must make up for what is lacking in some concentrated feed, such as oatmeal, shorts, eilmeal or the like; but great care and good judgment must be used not to overfeed or crowd, as the future cow may be rained. Undue forcing shortens the useful life nours. At the end of this time some of the milk into the wide gate, the aroma of the slover hang. of the cow very rapidly.—W. H. White in Common was drawn by means of a pipette from the lowest ing all about her and the peace of the meadow by Gentleman.