

The third and principal reason why the dairy business will not be overdone is because people do not like to milk cows and will not do so any longer than necessary. It has been the history in all new countries that when mortgages were abundant and times are hard, the chief reliance for the steady income of the farm is usually placed upon the dairy cow. When the mortgages are paid off and the farmer gets in a position to be independent he concludes that life is too short to milk cows for a living and accordingly he begins to feed cattle, sheep and hogs and lives in the easiest way possible. Considering all these facts, we therefore cannot conclude that the dairy business will be overdone.

One of the best maxims that was ever given is that which tells us "If we want to make dairying a success, treat the cow as we would treat a lady."

Gentle, contented cows are the ones that give profitable returns of milk.

Agricultural College Education.

There is a future for the boy who is being educated at an agricultural college. More and more the need of scientific farming is becoming felt—how to get the most from the soil and how to best utilize the soil's products, are all-important questions that are being answered by the experiments and work now being conducted at the experimental stations and agricultural schools.

Graduates from the various departments of the agricultural colleges now in existence are needed as instructors in the new stations and schools which are being established so rapidly that the demand is far greater than the supply.

Let the boy follow his bent for studying horticulture, formation of soils and crop growing, animal industry, breeding and feeding, dairying, forestry, veterinary science, etc., etc. A place will be awaiting him when he has finished a thorough training along any line.

The Dominion and Provincial departments want dairy and food inspectors, chemists, entomologists, state and district veterinarians, beside the demand for instructors in the agricultural schools and experiment stations.

And to the boy who loves out-of-door life there can be no more fascinating occupation than to work hand in hand with nature and learn the ways, times of growth and creative forces and how to help forward her work.

The field may not be equally as wide for girls, but capable instructors in sewing and cooking find situations everywhere, not only in the agricultural schools, but in private and public schools also, and horticulture and other lines of agriculture for which they may have a taste will furnish them as suitable an employment or situations as instructors as their brothers.

If possible, help the boys and girls to a year in the nearest state agricultural school, and if they are at all ambitious and sufficiently energetic to make a success of anything they will work for the means necessary to go on and fit themselves either for instructors or scientific, up-to-date farmers, than which there is no more enjoyable occupation, when pursued from the love of it.

Is the Horse to Go?

Good-by to Dobbin, the faithful and sturdy old farm horse. No longer will "the plowman homeward plod his weary way." Instead he will simply turn on the second speed of his agricultural motor car and go dashing up the lane to the farmhouse at the rate of 20 miles an hour.

In the early months of 1902, what proved to be the first successful gasoline agricultural motor appeared, contesting at nearly all of the great agricultural competitions of the season in England and carrying off the

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and how long will its profitable usefulness continue, is the way to consider a cream separator purchase.



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gold medals from the horse in every contest.

Plowing proved to be the first phase of farm work to which the agricultural motor was introduced and at which it made its initial reputation, says a writer in the Technical World. Steam engines had proven too heavy for the soft land being plowed and here the agriculturist expected to mire the internal combustion motor, but he signally failed. For a plowing test among horses, steam power and the gasoline motor, two and three-quarter acres of heavy clay soil were selected. It was a condition that the furrows were to be nine inches wide and six inches deep. In doing the work, nine horses, three to a plow, with three drivers and three boys, did the work at a total cost of \$8.25, or at the rate of \$3.68 an acre. By steam power the total cost of plowing the same area amounted to \$9.80, or at \$4.08 an acre, and with the gasoline motor the cost totalled \$4.44, or at \$1.97 an acre. For plowing purposes a three-furrowed plow is invariably used except in heavy clay soils where a couple of furrows prove sufficient.

How to Prune Trees.

We must prune young fruit trees before they are planted, cutting the top severely to produce a balance between the top and the root, the latter having been greatly reduced in digging the tree from the nursery, says Suburban Life. We must cut out at this time any branches not needed for the formation of the head, and we may pare the ends of the roots smoothly that were roughly cut with a spade in digging. We must watch the young tree during the growing season and stop the growth of any shoots out-growing their neighbors and rub off any shoots not desired as soon as they are discovered. We must prune out here and there, as the tree grows older, such shoots as are being smothered by branches above them or that are being injured by others rubbing against them and aim to give the tree a symmetrical low-headed form. When the lower branches become weak we must increase their vigor by cutting out branches from the top, thus forcing growth into them, and never, if it can be avoided, cut a large branch from the main trunk.

Judge a man's charitableness by the way he acts when his wife asks him for money.

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