

Take The Boy To Fair.

Agricultural fair affords a little outing for the boy on the farm. Besides, there is no member of the farm home or farm force who is not appreciative of every feature of the fair and industry that the fair presents. The boy is the best subject in observation of all the things that aggregate on the fair grounds. He is perceptive and receptive and he is so much keener than the "old man," the man of the farm and observation, the man of independence and dignity, the man whose bearing seems to suggest a kind of "you will have to do" expression.

Take the boy to the fair; you owe him. He is the best help you can get on the farm, but you don't know it. The boy on the farm, in respect, is like the well. "You raise the water till the well runs dry"; just so with the boy on the farm, you never miss the boy when he is gone. Oh, how sad this is to the thousand of farm homes where the smiling face of the boy was its brightest feature, homes where his cheerful voice would always be heard above the din and clatter of farmyard and home where at the command of his superiors his feet carried him here or there for every chore of errand.

Take this boy, the future farmer of America, with you when you go to the fair. Devote the first half day on the fair grounds to showing him the principal and leading features of the fair; then turn him loose to do as he will and get acquainted with the people and things. It will do him good. He will be more able to talk about the things he saw at the fair after you have returned than you had opportunity to do. An active, bright boy on the farm is worth more from an educational point of view than a hundred old men, even though they have been regular patrons of the fair.

From an advertising point of view the boy is one of the greatest things the fair could acquire. He would be a good investment and free each year until he is 15 years of age. The best of the fair are those who do everything and go home and tell it to their neighbors. Give the boys a chance by affording every opportunity for education. The agricultural fair is becoming one of the greatest sources of information and knowledge of all that pertains to the farm life.—Twentieth Century Farmer.

How Farming a Business Science.

Government experts have been making an investigation for the last few years to develop a system of farm accounting that shall be simple and practical, general in its application to all diversified conditions of our agriculture. They have been seeking a system of accounting founded on business principles that shall enable the farmer to determine easily and accurately the unit values in the production. It is the debit ledger that has been the stumbling block in all systems developed by farmers during the last few years. The credit side is simple in comparison. The average farmer has permitted the cattle and grain dealers and milkmen, whether acting as trustees or individuals, to be his bookkeepers on the credit side of the ledger. He didn't bother themselves with the debit side, and neither farmer himself. The middle-aged farmer of the quantity of his produce in units of bushels, or quarts, as the case may be, multiply the result by the market value of the unit and hand him his check. It is a slovenly farmer, who cannot tell just what his profits have been in dollars and cents for the current year. More likely he has set them down in a yellow-covered memorandum distributed as an advertisement for some insurance company or other concern.

Marine Hospital service will continue their war of attrition of rates in San Francisco over two years ago, but not a single case of influenza is reported officially that period. In a report just issued Acting Assistant Surgeon General says that the work chiefly in the nature of a tactical measure against influenza. During one month recently were trapped there, thirty using 8000 traps. Destruction of the disease is now limited to the city. Constant inspection has resulted in a vast improvement in the city's sanitation. A primary man cannot be blamed for making a trivial mistake in his tax schedule, when

the leading scientists estimates the age of the world at from 55,000,000 to 70,000,000 years.

A Banker Shows Why Ours is a Five Billion Country.

So common is the American habit of pointing to great fortunes as evidence of the country's wealth that it too often diverts attention from the real basis of our financial strength—the accumulated riches of plain people. It is a fortunate thing, therefore, that we have an occasional view of this humbler aspect of the situation, the latest of which is presented in a compilation prepared by Mr. William Hanhart, secretary of the savings bank section of the American Bankers' Association.

Mr. Hanhart's figures, compiled from the reports of the comptroller of the currency and the Monetary Commission, show that the average deposit in American savings banks is almost four times as great as the average of Europe, Asia, Africa, Canada and Oceania, and that the average deposit per capita of population is six times greater in the United States than in the geographical divisions named.

Ideal Treatment of Animals.

A large part of the energy of civilization has come out of the bodies of the great four-footed races, declares F. Howard Moore in the Chicago Tribune. The horse, the ox, the mule, the elephant, the camel, the reindeer, the water buffalo, the yak, the dog and the donkey—on the powerful and patient backs of these patient beings civilization has been borne for unknown hundreds of years. The power and nobility of these races have enabled man to carry out enterprises he never could have dreamed of undertaking single-handed. Without horses or other beings able and willing to wield the great implements of agriculture, the most basic of human industries, would be almost impossible.

In the ideal state man treats the races of being affiliated with him not as objects of pillage, but as things with rights and feelings and capabilities of happiness and misery like himself. He is kind to them and ever mindful of how he may gladden and enrich their necessarily meager lives. He gets real pleasure by simply seeing them happy and realizing that he has in some measure contributed to that happiness. He provides them plenty to eat, comfortable homes, vacation days in which to rest, opportunities for pleasure and pastime, an education and infirmaries for times of misfortune and decline.

He does not drive them until they are ready to drop. He does not abuse them until they are so nervous and soured that they have to be muzzled to keep them from biting at passers-by. He does not cut off their pretty tails nor rein up their heads into horrible positions in the interest of an illiterate vanity. He does not go around with a stick or a whip with which to attack them whenever he does not feel well or things are against him at home.

He talks to them. He treats them as the Arab treats his horse. The Arab regards his steed as his comrade, as one whom he delights to please, taking him into his own tent if necessary, and putting his arms around his neck and looking into his beautiful eyes, the assurance of true love and fellowship.

In short, man, when he acts ideally, treats these things at all times as associates, not as slaves or machines; as his best friends and most faithful and valuable allies. They, on the other hand, come to recognize man as their true guide and benefactor.

Another week has brought to the Pennsylvania health authorities a number of reports of new cases of infantile paralysis in several parts of the state. The germ of this disease, according to Dr. Mills of Philadelphia, is to be found in a lower animal or vegetable form of micro-organism. He finds that the disease is prevalent in rural sections and along water courses, and so he thinks it may originate somewhat in the same way as malaria. No treatment has been devised as yet, but the patient should have complete rest and the use of fever mixtures is recommended. No one has isolated the germ as yet.

Electricity Purifies the Atmosphere.

When the thunder shower has rolled, rumbling and grumbling over the hills to the west, who has not noticed how sweet and clear the atmosphere? It is an old saying that thunder showers "clear up" the air and make it cooler. Ask most people and they will tell you that it is the heavy downpour of rain which has washed the dust and impurities from the air and made it sweeter and better. But the scientist will only smile and mutter the single word, "ozone."

True, a heavy downpour of rain will wash the dust out of the air but it is the "ozone" which adds the crisp, bracing strength to the atmosphere after a violent thunder shower. It is the lure of ozone which attracts millions from the hot, stifling cities to the sea and mountains. It is this strange quality of life-giving atmosphere which cleanses the blood and builds up the body, for ozone is a form of oxygen possessing great purifying and sterilizing qualities especially deadly to all disease germs. It is the long flashes of lightning which disrupt the oxygen gas forming ozone and this natural phenomena is taken advantage of and we are producing ozone gas by artificial machines utilizing heavy discharges of electricity.

Electricity has been set to making seaside air for congested cities. Turn a switch and an ozone breeze is started in a crowded school, church, office or bank, that has the vitalizing quality of the fresh air of the big outdoors.

As a matter of fact, ozone has been known to scientists since 1840, when Professor Schoenbein of Basle, Switzerland, discovered it. The European scientists have devoted considerable time to its study, with a view to making it of some service to the world at large. Europe is the lead of the United States in this respect, having a number of ozone-making methods which are in extensive use in hotels, theatres, churches, factories, offices, stores, public buildings and homes.

Until the last few years, however, American scientists, although admitting the great value of the manufactured as well as the natural ozone, made little use of it except as a germicide and deodorant, it being especially effective for such purposes.

With the development of cheap electrical power, however, the ozonizer as a commercial proposition became practical and American inventive genius was called upon to get busy and a number of different varieties of ideas were developed.

Europe, with its two years' start, has made great strides which outline the herculean task set for ozone in the United States in cleaning the Augean stables of the cities of air which has been breathed and rebreathed by a thousand persons of varying degrees of health, and filled with dust and filth and gases. The war against tuberculosis takes on new and definite promise of great progress. What has been accomplished and what tasks ozone has been set to cope with abroad shows the scope of the field opened by the success of the method.

In one country in Europe last year over \$7,000,000 was expended in ozone apparatus. In England one company has been turning out between 700 and 800 generators a month. Their catalogue is printed in eighteen different languages. Ozone is used in Paris, Berlin, St. Petersburg, Nice, Lyons and about forty different cities to purify their water supply, wholly or in part.

Ozone is also used extensively in bleaching fabrics, such as linens and laces; also to refine oils in the making of soap and to refine lard. It is also employed in breweries and distilleries. It is in use in perfume factories, has an extensive field in preserving fruits and produce, so eliminating the necessity of ice refrigeration, has practically taken a permanent hold in hospitals, particularly in the treatment of anaemia, insomnia, throat and lung complaints, such as bronchitis, whooping cough, pneumonia, tuberculosis in its incipient stages, etc.

Its proper field, however, seems to be in the matter of purifying air in factories, apartment buildings, general offices, homes, laundries, mines, steamboats, assembly halls, lodge rooms, etc.

Col. Bryan was too late with his local option scheme. Just as he was too early with his government ownership proposition.

Dr. Cook will at least be remembered as the man who made the pursuit of geographical knowledge more difficult.

The Minnesota Democratic nomination for governor has been refused by John A. Lind, in spite of frequent assertions that the state is on fire with Republican insurgency.

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FOLEY'S KIDNEY PILLS for backache, rheumatism, kidney or bladder trouble, and urinary irregularities. Foley's Kidney Pills purify the blood, restore lost vitality and vigor. Refuse substitutes. Sold by Chas. I. Clough.

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