FARM AND GARDEN NOTES.

NOTES OF INTEREST ON AGRICUL-TURAL TOPICS.

--- Look For the Oyster Shell Scale ---Etc., Etc.

Gather the First Run of Sap.

As soon as sufficient sap has run, the gathering is commenced, for the quicker it can be converted into syrup after leaving the tree the better. It is just as possible to make choice sugar or syrup from old sap as it is to make "the butter won't come." He has two order to remove all foreign substances other in harvest time. He feeds good the sap is strained three times before hay twice a day, fodder once a day, reaching the fire.-Ohio Experience.

Tin Cans in the Carden-

very handy. They should be melted thermometer to insure success, but for apart and held together by a string or the last two weeks can get no butter, cord fastening. Take a shallow box after churning several hours there be about six inches deep, and set as many ing nothing in the churn but froth. cans in as possible, then fill each with | The trouble is the cream is too vis rich soil. When time to plant, place cid. There is a gummy product in it the box in a warm place and plant the which imprisons air and makes bub transplant or set your house-grown so they are not impacted by the concus for the pext.

Exercise Necessary for Cows.

According to an authority, the tubercule bacillus is generally taken into the animal system through inhalation and finds lodgment in the throat and lungs. A moderate amount of exercise will frequently cause such action of the lungs as to distroy the germ when, if ventilated stable, the same germ would appear when the cows are fresh again grow and develop and cause tuberment to its developement. The cow degree. This causes a poorer body or valosis, because there was no impedidanger to the mammary glands if reasonable exercise is given.

Look Out for the Oyster Shell Scale.

The oyster-shell scale has been very injurious in some orchards. All scales and again early in June.

Testing Seed Before Planting.

should be set before a southern window so as to get the sun.

As soon as all the seed, or as many as will sprout, are up, count the plants and compare with the number of seed States. planted. If justified in concluding that the test has been fair in every way, the plants can be pulled up and destroyed and their room used in making ther north we go. Wherever there is tests of other seed.

and useless labor will be saved. If better will be the crop, and the higher ness. It is but little trouble, and the will keep with less difficulty withour inconvenience of having the box injury. around in the way will be more than | Continued inbreeding of corn, select counterbalanced by the knowledge ing the seed from stalks which bear and Fireside.

grown more for stock than they are. He than corn taken from the crib. The They grow very large in a good season, squirrel, and also rats and mice, appre and it is not much work to grow them. ciate the best corn, and if put up They should be planted in the spring, where they can reach it they will ear when the ground gets warm, in rows out the germ or chit, leaving the built far enough apart so that they may be of the starchy portion, together with cultivated with a horse and cultivator, the bran or outer husk. This refuse states a writer in The Epitomist. They corn, after the germ is taken out, is should be dug in the fall befor a hard good for nothing except to make poofreeze. If one makes a practice of hog feed. Rats and mice soil the corr growing roots for stock he should as they eat into it, but the squirre make a good outdoor cellar, or pit, to leaves the poorer portion uneaten with keep them in. He should also possess out leaving his excrement upon it. The a good root cutter, for it is a good deal germ contains gluten and more of the Milch cows, when fed mangles, will other part of the corn plant.-Ameri more than 100 years this tribe has been give more milk and make more butter can Cultivator. than when they are only fed hay. As soon as cold storms begin to come the cows should be provided with a shelter, to Abbotsford, Scotland, numbered or there will be a shortage in their above 8,000, being nearly 1,000 mor milk. This means a great loss of than last year. money, for it is a hard matter to restore the usual flow when there has been a shrinkage.

Cows should be milked regularly. Milking later than usual, or perhaps, skipping a milking entirely, will surely dry up cows, and as I mentioned before, it will be almost impossible to get them to give their usual quanity again if one wishes to make cows profitable. Cather First Run Sap ... Tin Cans in the he should use them with kindness, pro-Carden---Exercise is Necessary for Cows vide good shelter, good feed and plenty of water, have regular hours for milking and feeding, and the cow should be milked by the same person all the time. If the cows are good to start with, and these rules are followed, they will surely pay.

Difficult Churning.

A correspondent wishes to know why In early gardening old tin cans come churn at the right temperature by the

seeds in the cans. When it is time to bles, and also holds the butter globules plants in the garden, make holes in sion. Most of this is doubtless due to your beds to the depth of the cans. the time the cows have been giving Place the cans in these holes and cut milk. If the milk were mixed with the string. Fill in around it with loose milk from fresh cows it would be thin dirt, spread the can a litttle and slip it | ned and churn easier. Setting the pans out over the plant without disturbing on the stove until the milk begins to the roots. Plants set out in this way crinkle on top, then putting it in a cool will not suffer from transplanting. The place for the cream to rise, is some Zulu or Basuto or Bechuana or Swazie not wanted in Basutoland and everycans used/one season can be laid away times resorted to. Skimming off the cream and mixing it with warm water, thoroughly agitating it and letting the glutinous material. Feeding bran inmoving the gummy product by force is large enough to warrant the expense, but in this case the other expedients must be tried. The difficulty will disand until then churning should be done at a higher temperature than the usual will stand higher feeding with less grain, but butter a little off in body is better than no butter. It may be neccessary to churn several degrees warm er than with milk from fresh cows .- E C. Bennett in American Agriculturalist

Varieties of Corn.

Though Indian corn is exclusively a from the egg to maturity, and there are native of this country, the wide region has been grossly and shamefully maloften vast differences between the males and females. The oyster-shell scale can be discovered from others by males and females. The oyster-shell characteristics so that there are many the wrongs of the native, so too a disits great length in proportion to its ated in that curious product, the poc peculiarities. There is no blood taint quarrelled. Both are proud and reconwidth. The minute eggs hatch into husk corn, in which each seed is en in the Zulu nor consumption in the ciliation is in the future. running larvae, which, if females, soon closed in a pod. This variety is now Matabele. Endowed with a superform scales under which they are per- only known as a curiosity, though is abundance of animal health and conmanently fixed. In this position they served a valuable purpose in preserve stitution untainted (in most cases) by heavy of course. When the bell rang she injure the trees by sucking the sap. ing the single grains from destruction The best remedy is spraying with ker- until the proper time came for them to osine emulsion about the last of May grow. In our Northern States, espec ially in New England, what is called Flint corn is earliest and succeeds best though both sweet corn and popcorn One thing the farmer and gardener are grown to a considerable extent, and should not neglect, is to thoroughly for corn fodder the Western or South test all seed before planting. This ern Dent corn is preferred, because should be done a month or so before though late in ripening it yields more planting time. A large shallow box tons per acre than can be got of any filled with soil will be sufficient room of the early varieties. There is a wide for testing all the seed put in on the spread popular belief that Dent corr average farm. Select the seed promis- having larger ears wil yield more than cuously from the bulk, carefully count- the harder and early Flints. But it ing each variety and taking note of it. both are kept until spring the soft Den-Plant the seed the natural depth, and variety does not look nearly so large as set the box in a warm place, under the it did while moist. The census statis kitchen stove being warm and out of ties prove that the largest yields of on a flat stone. Then their heads are the way. During the day the box corn are found in some favored loca tion near the northern limit of corr other hand, the Hottentot, having been production, Vermont showing a larger a close companion of the white man, is yield per acre than any of the Southerr

There is reason for this in the facthat there is more sunlight between March 21 and September 21 the far a season warm enough to ripen cort By using this test box, much time the more concentrated the heat is the your seed is useless you will know it the quality. All the hard-grained varie and purchase new and fertile seed. If ties of corn, such as the Flint and pop only half the seed germinate you will corn, originate in the north. These know in what quanity to plant in order make a richer and better meal than the to have the plants the required thick- softer Dent varieties, and a meal tha his teeth with milk at sunrise and

gained. Knowing exactly what to ex- two or more large ears, will greatly parted. Still others are fetish worpeet from the seed planted, will save increase the productiveness of any shipers. time for the farmer and gardener when variety. This is yearly practiced by time is money to him.-Farm, Field many old farmers who leave part or the husk at the butt of the ear to braid Christians, with 144 schools. Strict as it together. If hung in the smoke house or beside an open chimney, suct selling of liquors to natives, they are We have fed millet, hay and mangles corn will soon acquire a fine, nutty yet able to obtain all they want. And with good results. Mangles should be flavor that makes it much more palata of work to cut roots with a knife, phosphates than can be found in any

During the past season the visitor.

A Liverpool physician has discovered the bacillus of pink-eye in horses.

THE KAFFIR TRIBESMEN.

SOUTH AFRICAN NATIVES MAGNIFI. Boers. With weird incantations and CENT SPECIMENS OF HUMANITY.

In An Uncivilized State They Are Overgrown Children-The Zulu's Remarkable Skin-Kaffir Virtue and Morality-What "Cape Smoke" Is.

low the truth-if dialects and racial makes the Kaffir such a formidable fancy cheese from tainted milk. In Jersey cows, one fresh in May, the differences count for aught. Rough foe. guesses place the number of natives The native does not know his own at from 2,000,000 to 10,000,000, but, as power-due to numerical superiority. and a good ration of corn and oats a matter of fact, no one knows even Arm him with modern weapons and chop twice a day. Keeps the cream in approximately their number. This you build a Frankenstein, who will a warm place to ripen, puts it in the lack of information is due to the rov- prove as terrible a conundrum as Mrs. ing propensities of the natives. Here Shelley's monster. For despite his Selous to hunt them all down.

> editor of the Johannesburg Daily man's death-dealing weapons. News, and now contributing this and Basutoland, while nominally indepenother South African articles to the dent, is yet a British colony. It is Scientific American) has seen the governed by a high commissioner, who wild state, semi-civilized and wholly judicate all disputes between natives,

overgrown child, with childish foibles chief allots fields to each householder, stead of corn and oats has also helped and shortcomings. But let him learn who cannot sell the land, but whose such cases. Using a seperator and re | the vices of civilization, let him realize | descendants get it on his death. Sevthe evil there is in him, let him discov- eral times a year the chiefs of the nais of course the way where the dairy er that there is a broad path leading tion hold a national assembly called to destruction-and you will find a the pitso. Here any native can freefully civilized being, as capable in cer- ly express his opinion without fear. He

It is a fact that where the Kaffir is member of the Basuto parliament. permitted to dwell in primeval ignor- One peculiarity that will interest ance, with none to warn him against bachelors is that married men have vices he knows nothing about, he re- a band drawn around their hair, while mains a good Christian, even though those still in single misery are withhe is ignorant of doctrinal disputes and out this emblem.-Chicago Timesthe meaning of higher criticism. It is Herald. equally a fact that where he imbibes a little learning, especially a knowledge of English, he becomes all that is

worst in a human being. A study of the Kaffir is a study of the human being, and what is more he magnificent specimen of humanity. The skin of the Zulu is totally unlike that of a negro as we know him. The father at home?" Zulu's cuticle is transparent-so much so that the red blood can be seen personally?" coursing beneath it. That is the Zulu's greatest pride. He will point to his skin to prove that he is a pure-bred and he turned abruptly. Zulu-the real Ethiopian of the ancients. And it is so with the other

As to the morality of the Kaffir-The culprits are placed on the ground Press. with their respective heads resting upcrushed with another stone. On the the most immoral and depraved human being perhaps in existence. The Matabeles are moral, so are the Basutos and the Mashonas. The Bechuanas are less so, and the Bushmen rank next to the despised Hottentots. That the latter are as bad as stated is evident when the Zulus will not work in the same mine with one nor sleep

in the same room or graal. Nearly all the tribes, save the Hottentots and Bushmen, are cleanly, the Zulus particularly so. The Zulu goes in bathing twice a day. He cleanses again at sunset.

All the tribes, even those partially civilized, believe in ghosts and spirits. Many worship the spirits of the de-

The most advanced tribe is the Basuto nation, in which there are 50,000 are the laws against the indiscriminate when their supply of ordinary rum and whisky runs short, they manufacture the notorious "Cape Smoke." This addiction to alcohol is the great curse of the Basutos, and, in fact, of every

other tribe. Cape smoke must be tasted to be appreciated-provided the person thus experimenting survives. For be it known that Cape Smoke consists of wood alcohol, red pepper and sulphuric acid. This terrible concoction is relished by the Kafhrs as no European drink is -they have not yet been civilized up to the level of the American "mixed

drink. But to return to the Basutos. For undergoing a process of forcible civilization. Good men and good women have sacrificed their lives to the noble

Just before the present war began there was a gathering of Indunas, or native priests, near the Free State bortives attended. Two oxen were were brought from Persia.

brought into a ring formed for the purpose. One of the animals was snow white, representing the British. The other, coal black, represented the wild dances these Christianized Basutos skinned the poor oxen alive. The white ox succumbed after five hours of terrible agony; the black one lived for nearly a day and a night. The gods of the "Christian" Basutos had an-

Statisticians assert that there are The Kaffir is a stoic. With him, 1,151 distinctive tribes of natives in what is is. I have seen a Zulu's toe South Africa south of the Zambesi crushed by a rock. Calmly he cut the River. Most persons who have lived injured member off, tied the wound up in that part of the world will cheer- with a rag, and then as calmly refully assert that this census is far be- sumed work. This stoicism it is that

swered the oracle-the Boers would

to-day, there to-morrow, it would take schooling and Christianizing and civila mightier hunter than even the famed izing, the Kaffir remains a Kaffir, unable to forget his wrongs, and held The writer (Edgar Mels, formerly in leash only through fear of the white

South African native, commonly called in turn is ruled by the governor of Kaffir, in all his varying phases, in his Cape Colony. The native chiefs adso. He has seen the native at his best although an appeal can be taken to and at his worst-untainted by the the magistrate's court, where cases betouch of civilization and soiled by its tween whites are tried. The revenues proximity. And through it all the are derived from the Cape Colony conwriter has believed, and perhaps al- tribution, the postoffice, native but tax ways will, that the Kaffir, whether and the sale of licenses. Whites are or Amatonga or Matabele or any other thing possible is done to keep them tribe, has good in him-and bad too. out. The land belongs to the natives, Summed up in a few words, the Ka- and the unutilized soil is allotted to cream rise again takes out much of the ffir, in his uncivilized state, is an householders for grazing purposes. The tain directions as is the white man. can take refuge behind his status as a

"The Course of True Love."

He is a pushing young lawyer and does considerable work for her wealthy father, who believes in Detroit and has

He called at the house a few days happened to be passing the door and York Sun.

"Ah! Miss Jones, I believe. Is your

"He is not. Did you wish to see him "Yes, miss," bluffly, "on very imporfant personal business. Good day,"

"Beg pardon, sir; who shall I say called?"

He grunted and made no other anthat differs according to the tribe and before going to a card party, and he its proximity to civilization. The Zulu rode clear around the street railway is eminently virtuous. Infraction of the belt line before he noticed that he had law of morality is punished by death. passed his own office.- Detroit Free

Antonio Maceo's Skull.

The Revista de Medicina y Circugia of Havana publishes an "anthropological study," by Dr. Montoalvo, Dr. de la Torre and Dr. Montane, of the skull of the Cuban patriot, Antonio Maceo. The most noteworthy point is the existence of an interparietal, or, as it is sometimes termed, an "inca" bone, from the theory that it was universal among, and distinctive of, the old Peruvian race. This, however, was shown by Anoutchine to be erroneous, for after examining many thousands of skulls in various museums he found the bone in only 0.8 per cent. in Peruvians, in 1.5 per cent in negroes, and in 1.3 per cent, in Americans. Maceo was, of course, of mixed race. The general character of the cranium approximates to that of the white race and indicate a man of remarkable capacity. The rest of the skeleton inclines more to the negroe type and shows that he must have been a mar of herculean strength.-London Lancet.

To Have Baths in the Schools.

An experiment is soon to be tried by of these prunes make a pound. The the Committee on Buildings of the Manhattan School Board. It consists of providing shower baths in the public schools, and is a scheme which Commissioner O'Brien has been pushing for some time. The experiment will be tried first in a few schools on the lower East Side, and the plan to be adopted, it is said, will be most effective, and yet cost a moderate amount.

Portions of the playgrounds will be curtained off, and this space will serve for the dressing rooms and baths, which will be entirely of the needle-description. These, it is believed, give better sanitary effects than the ordinary showers. The city will furnish hot and cold water, but the children must bring their own towels.-New York Tribune.

Oats, barley and rye originated in the wild forms along the Mediterrader. Thousands of "Christian" na- nean. The first noted species of wheat

NEGROES TAKE TO COCAINE.

The Evil Common Among the Roustabouts and Spreading Fast.

The troubles which the steamboat men have been having with their colored ronstabouts have been increased by the spread of the cocaine habit among the negroes. When the cocaine habit found its way among the negroes it is impossible to say but it is now the favorite mode by which they seek forgetfulness. It is as yet confined to the city negroes, but some of the planters have expressed the hope that the use of the drug be broken up in New Orleans before it reaches the cotton plantations. Whiskey is bad enough, they say, but traffic in it can be controlled far more easily than the purchase and sale of cocaine tablets. The tablets are composed of cocaine

and phenacetine in about equal proportions. Some chemical genius discovered that phenacetine prolongs the effects of cocaine and as it is a much cheaper drug, it is used as an adulterant for the cocaine. When a negro roustabout has swallowed one of these tablets, he seeks the most secluded part of the boat upon which he has shipped, and, hiding himself among the cargo, lies down and enjoys the visions of rest that the drugs cause. The effect For a little while the cocaine fiend is will probably keep on swallowing tablets until the mate comes around and hickory stick which is his badge of au- Democrat. thority. This continues throughout the roustabout's voyage, as long as the box of cocaine tablets holds out. When the box has run out, he will play crap more cocaine if he wins.

The evil has grown steadily of late, and a number of drug stores in the Tavernier made the trip from Paris to negro district do an immense business in cocaine. So large is the business press purpose of purchasing the pearl that the average negro walks into a about which so much had been said drug store and puts down a quarter or a half dollar without a word, and receives a box of cocaine tablets in re- from five thousand to five hundred turn, the drug clerk knowing by intuition what he wants; or if the negro he might succeed in closing the bargain says anything it is likely to be only for about one hundred and twenty

The cocaine habit is most common a great mistake. among the river negroes, nearly all of drug less generally, take it in the form and of spotless lustre. the negroes; the cocaine can be taken dollars. so much more easily and when mixed with phenacetine is cheaper.-New

Sympathy Between Birds.

dia and in China. The two birds in lie school. Paris fared comfortably until one day It is not infrequent to find turtles a gray cardinal got into their cage and other pets that are easy to care for and at once picked a quarrel. One of in the schoolrooms of this city. In the sun birds lost almost all its feath- Bosion, however, it is said that frogs ers and was grievously wounded.

pled and unable to sit on the perch. One teacher took in a hen that was al-Furthermore, its feathers being gone, it suffered greatly from cold. Marvel pupils. In other rooms there are aqualous now was the sympathy manifested riums, birds and boxes with rabbits. by its companion. Every evening it gathered moss and hay, with which it made a warm bed for the invalid. Every night it perched beside the sufferer on the cold floor, its wings being spread out to warm its companion as much as possible. For several nights it played the part of a good Samaritan. All its efforts were unavailing, and the wounded bird died. Thereupon the other literally grieved to death. It refused to eat, and remained crouching in the cage until it had joined its com-

The Sizes of Prunes.

Prunes are sold in three sizes. The largest size is called the thirty to forties. This means that thirty to forty medium size is forty to fifty, and the small size fifty to sixty. The largest prunes are of course the most valuable. The average price the growers get for their prunes is three and three-fourth cents a pound. An orchard of 250 trees will give a grower an average profit of \$400 a year. An acre will grow about one hundred trees, planted with the proper distances between them. The trees bear the third year after planting, and live from ten to twenty years. French prunes pay the best.

The Oidest Pestmaster.

Roswell Beardsley, of North Lansing, postmaster in the service of the United istration fee for the health certificate States. He was appointed in 1828 un- is to be fixed at \$1.—Chicago Record. der the Administration of John Quincy Adams, and his salary was then fixed at the munificent sum of \$12 a year. Since his appointment he has served continuously. He is ninety-one years feel good while it lasts."-Detroit Free

Shattered Diamonds.

"Under certain conditions, which are very rare and remarkable," said an old Jeweller last evening, "a diamond may be shattered to atoms by a smart, sudden blow. The stone seems to disintegrate and fly apart, as nearly as I can express it, and when the Kimberley gems first came into the market the Brazilian brokers claimed that they were especially subject to that kind of accident. For the time being the story had its effect on trade, but it was proven to be untrue and the incident is now forgotten. In the course of an experience of nearly forty years I have known of only two cases of diamonds being broken. One occurred many years ago, when I was working in a shep in the old Reid House in Chattanooga. A lady customer dropped a cluster brooch from the counter to the filed floor, a distance of about three and a half feet. It struck squarely on the centre stone, which was broken into a number of small, irregular fragments. The diamond had weighed about two carats. The other instance took place here in New Orleans about six years ago. A St. Louis travelling man named Crawford had a solitaire weighing a carat and a half set in a ring. He was standing in the store, and while conversing about something is very like that of opium, only far less made a sudden gesture and struck the violent, more a restful, sleepy feeling. stone against a metal fixture. It was split into small, jagged splinters, a as happy as a mortal can be, and he number of which we found on top of the show case. The drummer himself was the most astonished man I ever finds him shirking duty and dreaming saw. He had supposed diamonds were among the cotton bales and administers indestructible simply because they strong and effective antidote with the were hard."-New Orleans Times-

Pearls of Great Price.

Five hundred and fifty thousand dolwith the other "rousters" and buy lars was the price paid for the great Tavernier pearl. It was originally owned at Catifa, in Arabia, and M. the desert city of Arabia for the exand written.

He went prepared to pay any price, thousand dollars. It was thought that thousand dollars, but this proved to be

Finally the bargain was closed at whom are addicted to it. They take five hundred and fifty thousand doltheir cocaine in tablets. These are dis- lars. Pearl connoiseurs declare that it solved in a glass of whiskey, if whiskey is not only the largest, but also the is handy, but if not the tablet is swal- most perfect gem of its kind known, lowed. The city negroes, who use the being exactly two inches in length, oval

of crystals or powder, which is snuffed Among the crown jewels of England

Educational Advantages of Pets.

In accepting the election to the Board of Directors of the Animal Rescue League of Boston, the Rev. Edward In the Zoological Garden at Paris a Everett Hale proposed that every notable occurrence took place the other schoolroom in Boston be supplied with day. Professor A. Mime-Edwards, the pets, and recommended for the purpose eminent naturalist, witnessed it, and cats, dogs and rabbits. He said that at made it the subject of an article which least fifteen cats slept under his veranhas just appeared in a French scien- da every night, and emphasized the tific journal. Two so-called sun birds need of teaching children kindness to have been for a good while inmates of animals. Of fifty Sunday school chilswer. She forgot to "frizle" her hair the aviary in the garden. These birds dren to whom he spoke recently he are popularly known as Japanese said only three owned cats, and only nightingales, though they are not one a dog. He ascribed this condition found in Japan, and their song in no to crowded tenement house living. It way resembles that of the nightingale. was his opinion that no philanthropist They have red bills, orange breasts and | could do better than to establish a rabyellow wings. Their home is in In- bit farm in connection with each pub-

are frequently kept, being often raised The poor creature found itself crip- from the first stage of their existence. lowed to hatch her chickens before the

Intelligent Elephant Mother.

A most interesting incident is related of an elephant. A baby elephant had received a severe wound in its head, the pain of which rendered it so frantic and ungovernable that it was found impossible to persaude the animal to have the part dressed. Whenever anyone approached it ran off with fury and would suffer no person to come within several yards of it. The man who had charge of it at length hit upon a contrivance for securing it. By a few signs and words he made the mother know what was wanted. The sensible creature seized her young one with her trunk and held it firmly down, through groaning and agony, while the surgeon completely dressed the wound. and she continued to perform this service every day until the animal was perfeetly recovered.

Physical Test for Railway Employees.

Physical examinations for employees at Union Pacific headquarters in Omaha, Neb., will soon be ordered. The system as proposed is that each employee, present or prospective, shall be examined by the chief surgeon as to his or her condition of health, of which a record will be preserved for use todetermine the employee's physical condition for retention in service, or for N. Y., lays claim to being the oldest promotion. The examination and reg-

> Ephemeral, But Pleasing. "Flatterers are our enemies." "Oh, I don't know; flattery makes us