WOLVES OF THE SEA. From dusk until dawn they are hurrying

Unfettered and fearless they flee: From morn until eve they plunder thieve— The hungry white wolves of the sea!

With never a rest, they race to the west, To the Orient's rim do they run; By the berg and the floe of the northland they go And away to the isles of the sun,

They wail at the moon to the desolate

Till the air has grown dank with their They snarl at the stars from the treacher-ous bars Of the coasts that are haunted by death,

They grapple and bite is a keen, mad de-As they feed on the bosom of grief; And one steals away to a cave with his And one to the rocks of the reef.

With the froth on their lips they follow the ships, Each striving to lead in the chase; Since loosed by the hand of the king their band They have known but the rush of the

They are shacgy and old, yet as mighty and bold As when God's freshest gale set them

As when God's freshest gale set them free;
Not a sail is unfuried in a port of the world
But is prey for the wolves of the sea!
-- Herbert Bashford, in Frank Lealie's
Popular Monthly.

## **多人提供的现在主流和集体的证据中的主义** TAKING HIS ADVICE.

R. SHELDON was the principal merchant in the important manufacturing town of Tormont. He was proud of his wealth, but he was still more proud of the fact that he had made it all bimself, and his pride was greatest because he had made it by never allowing anybody to get shead of him.

"That's the secret of success in life, Harry," he said, one day, to his favorite clerk. "Sharp's the motto, if you wish to rise. I don't mean you should cheat; that, of course, is both wrong and ungentlemanly." Sheldon prided himself, also, on being what he called "a gentleman," and above all little meannesses.) "But always be wide-awake, and never let nnybody cheat you. I've noticed, by the bye, that you've seemed rather downhearted lately. If it's because you've your fortune yet to make, don't despair; but follow my advice. An opening will come at some time for something better than a clerkship, and though I shall be sorry to lose you. yet I'll give you up, if it's for your

"Thank you," said Harry, apparently bot a bir cheered up by this cool way of being told he had nothing to expect from Mr. Sheldon; "but it's not exactly that. I suppose I shall get along somehow.

"What is it, my dear boy, then? I really take an interest in you, as you know"-and he did, so far as words were concerned. "Perhaps I can give you some advice."

"Well," said Harry, with some hesitation, "I'm in love, and-"

"In love!" exclaimed the rich merch. ant. "In love, and with only a clerk's salary to marry on. It will never donever do, Harry. Marriage for one like you is fastening a milistone round your neck, unless, indeed "-and he stopped, as if a bright thought had struck him-"unless, indeed, the

"She is rich, or will be, I suppose," answered Harry, "for her father is a wealthy man. But that's just the difficulty. Her father would never let her marry a poor man, and she won't marry without his consent."

"What a miserable tyrant?" said Mr. Shelden, "If I was the lover, Harry, I'd run off with her. I'd checkmate the old curmudgeon in that way," and he chuckled at the im aginary triumph he would achieve 'Pon my soul, I would! I never, as I told you, let anybody take a rise

"But would that be honorable?" "Honorable? Isn't everything fair in love and war? I thought you had some pluck, Harry. How I should like to see the stingy old hulk rave and stamp about on his gouty toes for he must be gouty-when he heard of your elopement! And he laughed till his portly sides

shook at the picture he had conjured

"He'd probably never forgive me." said Harry, dejectedly, "And then what could I do, with a wife brought up to every luxury, and only a poor clerk's salary to support her on?" "Never forgive you? Trash and non-

sense! They always do forgive, They can't help it. Besides," with a confidential wink, "I think I know your man. It's that skindint Meadows. I've heard of your being sweet on his daughter. She's a pretty minx, though she is his child. Oh, you needn't deny it. I saw how you hung about her at our party the other night; and when I joked about it with my daughter the next morning she as good as admitted that it was true. saying it would be a very good match. for you. Now, I owe old Mendows a grudge. He tried to do me in those rallway shares last winter, and I mean to pay him for it, somehow. I tell you what I'll do. I musn't ask, mind you, who the girl is. Mum must be the word. I mustn't, of course, be if you'll make a runaway match

known in the affair; but I'll give leave of absence for a month and a check for £50 to pay for your wedding trip it agreed? Well, there's my hand on Here's the check. Egad! Won't the old rascal howl when he hears how we've done him!" Harry seemed to hesitate, however, and it was not till Mr. Sheldon, eager

to see his old commercial rival put at a disadvantage, had urged blm again and again, and promised to stand by him, that he finally consente, and took the check which his em-

ployer persisted in forcing upon him.

The next morning Mr. Sheldon came down to breakfast in high gles, for a note had reached him just as he was shaving, which ran as follows:

"Dear Sir -- I have, with much diffi-culty, persuaded her to clope. It was not, however, till I showed her your guines, the cost check that she would consent to do so. | upon the stone.

She said that she was sure you would SWIFT INDIAN RUNNERS | Impossible to say which would win, not recommend anything that war | But as one runner from each side wrong; that you would advise her at hopes you will stand by us. We shall be married to-morrow, before Mr. Meadows is up. Very thankfully,

"Harry Conrad." The old gentleman brought the note with him to the table, opened it out before him, adjusted his spectacles and read it over and over again, "I'd give a £10 note," he said

face when he hears how Harry has done him." It was the custom of Mr. Sheldon to read his newspaper at breakfast, while waiting for his only child and daughter, who, a little spoiled by 340 miles a week on foot. Several

But this morning Matty was later The banker had read all the foreign, as well as the home news, and even reperused Harry's note and still she

had not made her appearance. "The lazy puss?" he said, at last, Then he looked up at the clock, "Half an hour fate! Now, this is really too bad. John!" he cried, addressing the man servant at the sideboard, "send and see why Miss Sheldon doesn't come down. Tell her," with a severe air, "I'm thred of waiting."

John came back in about five minutes looking very much flustered.

"If you please, sir." he stammered, 'Miss Sheldon's not in her room, and the maid says that the bed looks as if it hadn't been slept in all night," The rich merchant's Jaw fell.

He started up, with a cry of agony. to go and see. But he was prevented by the footman appearing at the door with a telegram.

"A telegram?" cried the merchant, unfolding it with trembling hands. "What can it mean? Has she been found dead anywhere?"

This was the telegram:

"Dear Father-Harry and I were married at eight o'clock this morning, I would not consent to an element till Harry assured me you had advised It, and had shown me your check as proof. He says you promised to stand by us. and I know you pride yourself on never breaking a promise. We wait for your blessing. Matty." "Well, I never!" ejaculated Mr. Shel-

don, when he had recovered breath, The impudent, disobe-

But here he stopped-stopped, and mopped his bald head, which, in his excitement, had broken out into great drops of perspiration. He remembered that he had himself advised Harry to elope, and that, if the story got wind, he would be the laughing-stock of the town, including-hardest cut of all-Mr. Meadows. He remembered, too, that he had but one child, and that she was all in all to him.

So he accepted the inevitable and telegraphed back:

"You may come home, and the sooner the better, so as to keep the fifty pounds for pin-money. Tell Harry he's too sharp to remain a clerk, and that I take him to-day into partnership. Only he must remember that partners never tell tales out of school. God bless you! H. Sheldon."

The runaways returned by the next train. The marriage proved, too, an eminently happy one. The story never got out. We only tell it now in confidence.-Woman's Life.

Severe Treatment. The noise made by the burglar in the Ferguson pantry, slight as it was, disturbed the light sleeper in the bedroom not far away, and the midnight marauder was surprised a moment mined looking man in a long, white lives. robe.

"I hain't done nothin' but car a few cold victuals, mister," stammered the burglar.

"I see," sternly replied George Ferguson, "you have been eating the remains of a strawberry shortcake my, wife made for dinner last night. Do cluded in the cool of the next afteryou know what I'm going to do with you? "Turn me over to the police,

s'pose," gasped the helpless thief. "Worse than that," said Ferguson, with a feroclous grin. "I'm going to make you eat a quart of health food. It's a new kind my wife heard of and fixed up for us yesterday, and it's pretty dry eating, but you'll eat every particle of it or I'll bore six holes through you. There it is, in that big owl. Turn yourself toose on it!"

With grim determination the indignant householder stood over him till it was finished, after which he picked up the luckless scoundrel, who had fallen exhausted to the floor, and threw him out of the open pantry win-

"It may kill him," sollloguized Mr. Ferguson somewhat remorsefully, as he crawled back into bed, without disturbing the rest of the family, "but a man who breaks into another man' house takes his life in his hands anyway."-Chicago Tribune.

A Short Lived Yacht. An instance of the rapid passing of

a racing yacht's ucrfulness is that of the grand old Defender, the 1895 cup racer, It cost fully \$100,000 to build ber-not to run her; just to put her affoat ready for racing. Those who designed the yacht thought that a bronze hull with aluminum topside would slide through the water with greater celerity than any other combination of metals that could be devised for a hull. They so inform d the syndicate that ordered her. But, they added, aluminum and bronze make a poor combination, and ta course of time the aluminum will rot where it joins the bronze, and the Defender will be useless. But what mattered that? She was to be built to defend the cup; after she had defended it she might rot or not as she pleased.-Frank Leslie's Popular Monthly.

Humor of English Red-Tape Captain Oliver Young, of the English Navy, when a lieutenant on board Her Majesty's ship Beacon, in the Egyptian campaign, was laid up in hospital, and, being reported dead and buried, a stone was erected to his memory at Sunkim, where it still re-It is one of the humors of English red-tape that the War Office ted his executors to forward a on, the cost of engraving his name

TAURI MAURI TRIBE.

It Was 130 Miles Long, and, Incidentally, the Bacers Threw Wooden Balls Be-fore Them by Means of Their Toes-Their Swiftness Surprising.

Most tourists in Mexico see little of the strange Tuuri Mauri Indians, writes the Chihuahua correspondent chuckling, "to see the old fellow's Mauri we saw was a mail carrier of the New York Sun. The first Tauri among the San Lorenzo Mountains about 120 miles south of Chibushus. This Indian makes two round trips over a distance of eighty-five miles twice a week, making a total of some times, when the Government had reasons for rushing mails to their destination, he made even three round trips in seven and a half days. The route leads from Guarichie to San Jose de los Crues over as rugged a mountain trall as ever tried a mountaineer's muscle.

The Indian mail carrier was bareheaded and barelegged, his entire suit consisting of about three yards of narrow cloth woven out of gont's hair. On his back was a mail sack, that, with its contents, weighed forty pounds. This was supported by a strap across his forehead and another across his chest. He came trottinig down the hill smoking a cigarette and moving as easily and gracefully as if just starting; out, instead of having some twenty miles already to his credit that morning.

As he reached the level ground in the valley he dropped a bail about the size of a baseball on the ground, and, catching it deftly on his toes, gave it a throw forward and raced after it with the speed of a deer, picking it up on bla toes and throwing it forward again without in the least, so far as we could see, checking his speed. As he overtook us the hall was placed in his armpit, and he trotted along by the side of the mules. cliniting quite sociably.

The Tauri Mauri Indian carries one of these wooden balls with him everywhere, tucked under the armpits until he is in a hurry; then it is thrown forward, and away the owner rushes after it. It is their way of keeping-in training for all the time, and of hurrying themselves over the ground. It is always thrown from the toes, and never from the hand.

There are some 46,000 Tauri Mauri Indians in Mexico. Twice every summer they meet for a sort of tourpament. It is a custom centuries old. It was the writer's good fortune to be present at one of these periodical asemblies among the San Lorenzos. about twenty mles southwest from Chihuahun.

The Tauri Mauris are long-limbed and slender, giving the impression of being over the average height. There is scarcely any muscle on their puny arms, but their chests are deep, and their backs broad, and their limbs as trim and muscular as a greyhound's They look as if created for speed.

The great contest of the tournament was a race. The wagers of the rival towns were piled up in the centre of the plaza, and consisted of strips of goat's-hair cloth, bows, arrows, sandals, goats, chickens, and sheep, with two wooden plows for high prizes; but these were thrown far in the shade when some American visitors added a cupful of copper coins, a gaudy lithograph, and a water color painting of a cross surrounded with flowers. Such prizes had never been offered in the memory of the oldest later to find himself covered with a subabitant, and the runners swore revolver in the hands of a deter- that it should be the race of their

In the afternoon they asked us to look over the course. To our astonishment we found that it was twelve miles long and that the circuit was to be made ten times. A royal race, indeed, of 120 miles. The race was to be run in the night and con-

noon. About five o'clock in the afternoon everything was ready. Ten athletes stood on the right side of the plaza and ten on the left. To each side one wooden bail was allotted. The racers were dressed in native trunks of goat's hair cloth, and many of these were discarded before the race was

At the word both of the balls were thrown forward and the twenty bounded forward at a speed that it would tax a bicyclist to keep up with. We thought that such a burst of speed would soon tire them out, but it was meant only for the start of three miles straight away acress the valley. Before reaching the other side of the course the runners began cutting off the corners and racing ahead on the oval course so as to receive and carry on the ball of their party. The ball was pitched forward by the foot of the first one and that side to reach it, and if a rival could reach it first it was thrown back on the course. The pur pose was to get the ball around the prescribed course, no matter how, so long as it was touched only by the feet of the players. To touch it with

the hand was to lose all bets. Tripping, crowding, and all the rough work of football players were permitted to prevent an opponent from reaching or throwing the ball. Runners were permitted to cut across the valley at a jog trot, and so be ready to receive the ball as it came along and then spurt with it. Umpires and indges were stationed all over the route to see that the ball was kept along the designated tract. By seven o'clock the moon came up and the valley was nearly as I ght as day. Yells as fierce as any that greet an audience at Yale or Harvard greeted the bronze Stage of Glaueblochie as he hurled the wooden sphere through the plaza, 100 feet ahead of the ball from Zapuri, on the first trip around

the valley. The race went on all night. Far into he afternoon they ran, but in a little made the prekeribed number of trips around the valley and four runners on one side and three on the other were coming at the top of their speed over the last three miles of grassy lawns toward the goal A line was drawn in the dust across the street at the edge of the plaza and the crowd gathered back awaiting the victors.
As they rushed toward us it was

not recommend anything that was a curious RACE BY THE STRANGE the ball of his side fairly on his foot while going at full speed and his throw was weak; the other, catching the ball fairly, gave a great bound and, twisting his leg as if it were an arm, buried the ball fair and

square over the line and over our

How the crowd yelled, and how we yelled with them, and how the recking visitors were praised and petted as they sat down to divide their winnings! Soon after a course of about ten miles was laid out around the town and a race was run by the girls of the two pueblos. Like their brothers, they had only the blue sky over them and about three yards of cloth and the Republic of Mexico around them; but how they did run, and how they set the ball spinning! The bronze Dianas of Guachlochic won, thereby softening the defeat of their dusky brothers.

DAMAGE BY TERMITES.

Injury Done to Houses in Hawaii by the

Look out for termites! The men who have been working on the alterntions in the judiciary building have found some of the woodwork almost caten away by them, and there are whole residences in the city that will have to be actually torn down, on account of the injuries done by the insects. Termites, according to the Standard Dictionary, are "a family of pseudo-neuropterous insects with a opressed ovate body, free head, equal membranaceous decidnous wings and four-jointed tarsi, including white

ones." An insect with a definition like that ought to be able to do a good deal of damage, and the termites are doing it. Houses in Honolulu that are twenty-five or thirty years old are found to be in need of new woodwork in many places, and at least one large residence is about to be torn down because the pestiferous insects have rained it by boring and hollowing out the wood.

Professor Koeble and Mr. Perkins, of the local bugology bureau, have studied the termites, and say that there is no known proventive of their work. The bugs here are of two kinds, both imported and both thriv ing better in the climate of Hawaii than they did in California, which was the original home of the varie ties here. When any woodwork is once well infested with the termites there is nothing to do but destroy it, say the experts.

The insects do their destructive work unseen. They never work to the surface of the wood, but hollow it out until it is only a shell thin as paper. They tackle furniture and

all wooden parts of buildings. Cases have been known in which the termites, in countries where they prosper even more than in Hawail, have literally eaten away buildings. in a single night they have been known to reduce pieces of furniture to collapse, "They are not so bad here," said Mr. Perkins. "Why, in some places there have been cases where a chair left over night collapsed in a heap when used in the morning. all the inside of the wood having been bored out."

The work of the little insects may be seen in some of the banisters of the Judiciary Building and other old structures. Dry, hard wood; such as that used for furniture, seems to be specially attractive to the termites. The insects are quite numerous in California, but are not so destructive, the climate being less agreeable to them there.-Honolulu Star.

To Make French Women Taller. Word comes from Parls that the fair Parisiennes are consumed by a

desire to rival their Anglo-Saxon sis ters in stature, and a Paris doctor has come to the rescue with science. He has elaborated an ingenious pro cess by which the joints of the ankles and knees are to be daily operated on with an electric bulb. He says that the osseous matter at the sections of the joints will thereby be expanded and the growth of the bones stimulated. The bulb is also to be applied to the spine.

The doctor says he can prove by successes obtained on patients who have already been lengthened that be can add two-fifths of an inch a month during six months' operating. After six months the continual treat ment is stopped temporarily and is resumed later if necessary. The patients should be young and supple, otherwise the effects of stretching

their joints might be grave. Whatever truth there is in the doc tor's assertions it is certain that he will be besieged.-London Correspond ence New York Sun.

Most Valuable Diamonds. There is no little fletion about the famous diamonds of the world, and their value is largely fictitious. They are few in number, cannot be repre duced, are everywhere highly prized and can be bought only by the very wealthy. The Prince Edward of York diamond, said to have been bought by New York firm for \$100,000, Is thirteenth in the list of large diamonds iven me by an importer. There are a lozen different lists. If we may beleve what is told with straight races. the largest of all the dlamonds in existence is the Braganza, its weight being no less than 1680 carats. is uncut, and its value is actually set down at \$291,650,000! It is now among the crown jewels of Portugal. It is thought that this diamond, which is the size of a hen's egg. is in reality white topas.-New York Press.

An Old Land Grent. J. H. Blakeman brought to the Journal office a land grant to property in what was formerly Virginia. deed is signed by Governor Patrick Henry at Richmond on the 24th day of April, 1786, and printed on sheep skin. The land constats of 230 acre less than fourteen hours the balls had and is now located on Back Creek, Garrard County, six miles from Lancaster. Mr. Blukeman get the deed from John Saunders, who lives Carrard, Mr. Saunders married great-grandaughter of Elljah Walker, to whom the deed was assigned Blakeman. The deed is yellow with age and the writing barely eligible.-Jessainine (Kr.) Journal.

## AGRICULTURAL.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Plaster a Good Fertilizer. Plaster is white and clean. It does not injure animals, not being caustic like lime. When used in the stalls it is an absorbent, and gives the stable a better appearance. It is also bene ficial in the manure, and is of itself. a plant food, being considered a special fertilizer for clover.

Rich Land For Weeds. Any soil that will produce weeds is in good condition, as only rich land will produce some kinds of weed. One of the surest indications of good soil is when pig weed flourishes. As the land should not be required to produce two crops at the same time no

farmer should allow weeds to make

headway at the expense of the regular

Sheep Like Oxeyed Dalsies. Sheep are very fond of the oxeye daisy either as pasturage or hay, and will eat them so closely as to kill them out. In some parts of England they sow the seed of them to make a sheep pasture. Those who have fields where they prevail might do well to pasture them with sheep one or two seasons, then plow up and sow the seed of better grass. We have eradicated them by two seasons of liberal manuring, keeping the land in hoed crops and then reseeding, but they would come in again as soon as the

land became poor again,

Tempt your birds to drink only water that is pure and fresh by having them always well supplied in many places with just what you want them to have. Be sure also that they have grain every day to balance the ration of green and insect food. Rake and burn wherever there is a chance. It keeps things neat and trim and gives your fowls a good supply of charcoal, making them have red combs and filling your egg basket. Give them all the wheat bran they want, in a dry place in such a way they can not waste it, and let them pick at it as they choose. It is the best bowel regulator we have ever found. Have plenty of grit. Be sure and provide feed houses for the smaller birds, so grated that the larger ones will not disturb them. Don't allow the droppings to accumulate under the perches and remember you won't be apt to paint the perches with disinfectants and lice killers too often. The little turks out on the range want to be examined once in a while to be sure they are free from these pests also.-Mrs. J. F. Knuderson, in the Farm, Field and Fireside.

A Handy Fodder Sled.

Hauling shocked corn fodder or cane from the fields is a hard and tedious job where the hauling is done with wagon and rack-the usual method. Then, too, the tenring down of the shock, the throwing of it upon the rack and the unloading of it again break off the leaves and dry stems.



This job is greatly simplified and much is saved in fodder and labor if a sled is built for the hauling. The 8's sixteen feet long. The standards a at each end are placed far enough from the ends of the runners to bolt on braces b. The cross braces, c. are made of 2 by 8's. No tongue is required unless the hauling is to be done

on snow. The sled is driven along the shock row as near as possible to the shock, which is tipped over onto it without breaking the tie band. The sled will hold from four to six large shocks. The fodder hauled in this way is in good shape for ricking if desired, and loses little if any in transportation. This sled comes handy in many places about the farm, saving much lifting on and off wagons .- New England Homestead. resta.

When the Cows Pay.

The difference between a paying and non-paying dairy cow is times so apparently slight that it is not noticed by the average person. Here are two animals which almost identical. Both are healthy good eaters and good milkers. Bu one has a persistent tendency to yield just a little more milk per day than the other, and if anything it is a trifle richer in butter fats. Moreover, careful observation shows that this cow keeps in milk a little longer than the other. Now, these points could not be noted without some attempt at keeping accounts. The record of every animal on the farm should be kept cally, and in this way comparisons can be made. Now, suppose one cow thus gives about a quart of mills a day more than another, and extends the milking period over a much longer time every season. This difference added up and converted into dollars and cents would show at the end of the year that one animal paid a good profit, while the other barely paid expenses.

This condition of affairs is just what can be observed on many farms to-day. The dairymen may be ex posts in their line, and they have ing down to the point where little further improvement can be made. Yet there is such a difference in the relative yield of the animals that the profits of one must be cut down in order to make up for the deficiencies of others. So extreme are these cases at times that there is a difference of one-half some years between the actual profits of two different dairy cows. The difference is due entirely to causes that can be remedied. Grant ing that both are fed the same, and very satisfactorily and economically the cause of the difference in the yield must be found in the cows themselves.

'At stores where candy is sold, one will p

but large, wooden palls in which broken candy and certain grades of hocolates are shipped from the fac tory. These pails make excellent hens' nests when hung from two hooks in the manner shown in the cut."

Such nests can be taken out of



NEST FROM AN OLD PAIL.

ment, and having no corners or open joints, as do boxes, there is no place for vermin to bide about them. This is a special point in favor of the use of such pails as nests, for the ordinary nest is usually a breeding place for these troublesome pests. American Agriculturist.

Mottled Butter.

The mottles in butter have always been a source of trouble and vexation to butter makers and it mattered not how much care was used in treating the milk and churning the butter. those tantalizing and cussword starter mottles would persist in developing

in the finished butter. There are many causes for mottling and we will begin with the bag of the cow, for in warm climates or in warm weather when the cow in the evening, with the bag very full of milk, is driven a long distance from the pasture to the milking pen, the jostling of the bag will often cause particles of butter to be churned in the bag and milked out into the milk pail and mixing with caseine and causing what are often called cream spots in the butter when the milk or cream is churned.

The same cause of mottling is produced by hauling the milk or cream for some distance in the stands, causing a partial churning of the milk and the formation of butter particles on the milk, which, becoming coated or mixed with caseine, causes white cream spots or specks to form, and which follows into the butter, causing mottles, especially in the gathered cream creameries.

These results will often follow even in the use of the centrifugal separator, but are of not so frequent occurrence. The "calef cause" of mottled, streaked and wavy butter is supposed to be due to the salt used in packing and salting the butter. There never was a more ignorant and fellacious notion than this, which can be easily demonstrated by using any established brand of fine salt and using distilled water for washing the butter, and it will then be found that it is the mineral substances in the natural waters that cause the streaking and the waving in the butter.

The pure salt is "chloride of sod!-

um" and is the greatest preserver and seasoning of butter and has no objectionable flavor or action when combined with it, but the many mineral waters especially prevalent in this country are the great enemies of both flavor and uniform color in the but-

The special enemies, both of color and flavor, are the sulphates, especially of fron; and lime, the "oxide of calcium," producing what are called the hard waters and which are very common in the Western States; copperas and alum waters are also very common.

There is a remedy or rather prevention of mortling in butter which is on to come, and that is a distilling machine in each creamery, which can be operated at small expense to furnish distilled water to wash the butter with, and then there will be no further cause to condemn the salt when the cell has been distilled from the water -Produce Commission Merchant,

Short and Useful Pointers. Ducks do better on soft succulent

It's the hens that are kept scratch ing that lay the eggs.

The cow stable and the milk-room should not be together. There is no loss whatever in send

ing clean eggs to market. A change of feed is oftentimes good thing for a mlich cow.

Improper feeding is the cause of ninety per cent. of the horse diseases. Too many farmers fail to see the importance of watering their stock properly.

The pig, in order to turn in the most profit, should have as few setbacks as possible. Hens can't shell out the eggs unless

they have something to make the shells out of. It's the pigs that have the run of the pasture that are the healthy and

profitable ones.

The daily ration of the farmer's family should contain more fresh eggs and poultry. While planning your land for the

different crops to be grown next spring be sure to rotate. No matter how much farm work there is to be done, it will pay big to give at least some attention to the

Don't give the milch cow water to drink that is ice cold. It is said that cows prefer warm water even in sum-

Keep the houses dry in which the stock are confined. Dampness will do more barm than a low tempera-This ought to be a good time to ouy thoroughbred stock, as breeders to not care to winter too many ani-

ped onlone, and in most cases pay well for them in the shape



California has discovered a method of making good roads. It is in the use of hot, crude petroleum as a cementing material.

The art of road making is probably more important than any other one of man's accomplishments. It is only in recent years that Americans, outside of a few of the older settlements, have begun to appreciate the full commercial and social advantages of good roads, and to encourage their building through liberal appropriations of public money from State, county and township treasuries.

No sooner was such work begun than there arose serious questions in many localities as to what material was best for the local production of good roads.

Where stone was cheap and plentiful it naturally became the accepted road-making material, but even in such sections a stone road is not always the most satisfactory. Earth roads, made of sand or gravel, which contain good cementing material, such as proper admixtures of loam, clay or fron ores, make roads much smoother and more pleasant to drive over while not so likely to be unpleasant from

dust. Such roads are much cheaper to build, for hardly a locality can be found which does not contain some handy bed of fair road-making material. In many sections the natural soil is all that is needed to make good roads for fair weather use. Such roads, however, are sure to suffer under the stress of winter rains and frosts and summer droughts, and break up badly.

Such was the situation in Fresno when the working of California's new oll find made petroleum cheap and suggested its use on the roads. The idea probably came from the use of petroleum refuse on rallroad tracks to keep down dust. Using the petroleum hot is a new idea.

The hot oil cements the sand, loam, clay and gravel and makes the roadbed both dustless and waterproof. It makes the roadbed material pack under a heavy use and its qualities improve as the doses of oil are repeated. Reports from San Bernardino County say that 180 barrels of oil a year are used per mile of road, and that even at \$1.10 a barrel the oll is found cheaper than sprinkling with water for keeping down the dust, while all its other advantages are, as it were, thrown in.-New York Journal,

Building Good Roads. State Engineer Bond is the executive head of the good roads movement in New York. It involves a vast amount of hard work, but he is interested in it personally to such a degree

that the labor of traveling about the State and inspecting the roads under Improvement or of drawing up the plans for improving the roads here in Albany is done with pleasure and zest. "The good road, the trolley, the automobile, the bicycle and the locomobile," he said a few days ago, "will destroy the anarchist party, for they will take the workingman out of the city, into the country and give him a pleasant home. Those blocks of tenement houses in New York, we shall all hope, will in time be superseded by the man-

leys, automobiles, the good roads and the bicycles will enable the workingman to live five miles in the country." "Will you expend the \$420,000 appropriated by the Legislature this year for good coads?" Mr. Bond was District Control

ufactory and other business concerns,

and the underground road, the trol-

asked. "Yes, every penny of it. I have just been down to Newburg to have a chat with Governor Odell concerning the improvement of the roads and other subjects relative to the work of this department. The Road Improvement Company, organized by Edward H. Harriman, which has the contract for improving the roads of Orange County, has already expended \$14,000 on road improvement machinery. We are building and improving dirt road for fourteen miles west of Newburg. I told the Governor it was an experin.ent. I don't know whether such a road will last. Where we can we put gravel on such a road. The cost of the Orange County roads will not be over \$1500 a mile."

A Poorly Matched Team.

In their zeal for automobile progress or for good roads ardent automobilists and good roads advocates, as we all should be, are constantly coupling two movements of very unequal natural speed. The tortoise and the hare are harnessed under the same yoke, in the hope that the good roads tortoise, built for slow progress, may be accelerated somewhat by its more rapid companion. The improvement of roads is pronounced absolutely exsential for automobile advancement, a dictum to which the American automobile builder and user will not subscribe. Though obvious, it seems to be overlooked that spry automobilism endowed with a natural energy to overcome all obstacles by its own inerent vitality, must needs suffer under the drag of a running mate which is destined to crawl slowly over prejudice, financial obstructions and official dilatoriness.—Automobile Topics.

A Broadening Influence.

Man is a social being. Sociability is broadening and should be cultivated. The city and the country have, unfortunately for both, only a bowing acquaintance. Lack of social interpolate. acquaintance. Lack of social inter-course, which leaves room for the growth of prejudice and jealousy, is largely responsible for this unwhole-some cramped condition. Bad roads are largely responsible for the slight acquaintance that is maintained be-tween the city and the country and for the absence of the sociability that would naturally follow a closer ac-onalitance.

The army allows about 33 000 r of food a year for fifteen men, but the Arctic regions people eat at les a quarter as much more. It costs a month more to feed a man in Gree land than in New York.