FARM AND GARDEN.

TAST REETS AS COW FEED.

Sugar heets are worth more to feed for milk and butter than the ch the sugar-beet factories of them for making sugar. So necessary that a farmer les located near a beet-root If he has the right kind can make more money tests to them than he can sell in any other way. The same of most of the grain products

THE BUTTER GLORULE. burn made in a communication Hopkins, of Vermont, that le on the butter globules on as 1860, is cheerfully This opposition has long among physicians and is, who know of milk as a on while those who I it have been persons who on a very common mis-by inexperienced micrognored the effects of the of light from glistening obthe supposed pellicle. Dr. that when he made the there was no such thing in the published the fact. But has been done since then to the prevalent popular belief to -New York Times.

PATTERING PIGS ON WHEAT,

Where marze can be grown to per a will probably continue to be wine, but in colder climates must be grown for this H. T. French, of the Ore , has continued the experifeeding wheat to pigs, and who find the market price about the same as that of a the rate of grain produced, its compare favorably with attained from feeding corn.

wheat proved to be better
exped outs, and there was 13; of gain for each bushel of named. The quality of the all that could be desired in There was a good thickness d, at the same time, a good tion of lean meat. The pigs en months old when slaugh The pigs were not in pasture me, but were in pens connecth small varils. They were fed and at five in the evening. Each antil the time for the next A handful of salt was added to each faciling, and charcoal was given to them twice a week. The breed was of the Poland China and Berkthire, with the Berkshire points pre-dominating.—American Agriculturist.

SEED GRAIN.

Seel grain, whether barley, oats, wheat or flax, should be selected with crest care. The Idaho Station advorates testing the grain before sowing. The can be done by the farmer, it save and requires but n few days. and may be sown in a box of soil x kept in a warm exposure. The sud must be kept moist.

er and easier way is to float s ce of thick sheet cotton on water, grain to be tested is placed on the and is covered with a similar On removing the cover the gram is exposed to view, and the spreated grain can be quickly

A good germinator or seed tester sek of wood and two pieces of cloth. of the sides out of the can. Place the block of wood within the owing it to rest on the bottom. he block should be two inches thick, as wide as the can and threefourths as long. Pour one to one and half inches of water in the can. one of the ends of the cloth to to used for a exve and is put on the same way. Tost reeds to be date put between the folds of Capillary attraction keeps the rater in the germinator and set in a

To prevent sumt use one pound of done" to four gallons of water. Allow the grain to remain in contact th the liquid for five minutes.

seed that is foul with sel of weeds and other grains. The test bein in this direction is to de of the wild out seed as Every seed sown brings only a hundred more. - New

Every spring a large number of tell orchards are planted in differouts of the country, and nearly in squares or in rows both my to a head five feet high on s at that hight. As many remail orchardists are now car at their plans for spring plant or practical suggestions may

tendency of all peach tree to in running up and out horiinto bare poles and arms, cradually reduce the value of and lessen the excellence of The duration of the trees and they perish much thru under a better treatment. the superiority of broad-Ultration should be appreciated wed with only narrow strips of cultivated ground. The of both young and old peach a distance of at least equal to cut of the trees. This we have experiments, showing that touts thirteen feet in length is the lingrowth by manure it that distance. It is therethe nurrow spot at the base ceives manure or not could be, therefore, but little

arly to the ground. ere are several reasons for such The annual prunng back is more easily performed much of it being done while

operator stands on the ground. The thinning, which all heavy-bearing trees should receive, is more easily done. The fruit may be more easily gathered. There will be but little ground that may not be subjected to horse cultivation, for the shade of the

foliage above will prevent much growth of weeds closely around the stem and a light and broad harrow will stir nearly all the soil by passing

Planters who wish to adopt the lowheaded, compact training, should not purchase trees more than a year old, or which have heads siready forme! several feet high; but procure one-yoar trees from the bud, or else those which have already been trained with-in a few inches of the ground.—Country Gentleman.

A MODEL FARM.

Elmdale farm, owned by George W. Swett & Son, is one of the best farms in Hampden Corner, Me. In the large cow barn they have a silo (built on a level with the floor), Sx18 feet base measure and seventeen feet high, filled measure and seventeen neet nign, niled to about two-thirds its capacity with fine cut corn fodder, which they have been successfully feeding this winter. The corn was cut, then carried by power and dropped into the silo, where it was levelled and trodden like hay in mow. No weights were used. It is now carried in baskets to the cribs and

the grain rations are scattered over it. Two quarts of grain fed in that way are as good as three fed alone. It is needless to say that Mr. Swett intends to fill his silo another season.

A tank is placed on the upper floor of the stable, so that water may be carried to the barns. The water is supplied by a windmill. There are of these on the farm, one near the

buildings and one in the pasture. In front of the cattle, running the whole length of the crib, is a covered trough, six inches each way, and lined with zirz. A little hot water put into the tank tempers the drink for the animals. It is carried by pipes to the The stable, also, is very convenient and fitted for four horses.

The farm workshop is well stocked with wood-working tools, and has an anvil and forge. Cold and rainy days are spent here pleasantly and profit-

ably.
Mr. Swett sets the tires as well as rims the wheels, and has invented a simple but effective device for that work. Other inventions of his are a drill, a punch and a machine to cut tron pipe.

Commencing in the milk business twenty-six years ago, Mr. Swett drove the cart himself for seven years, missing only three trips during that time Twenty-four years ago he bought this farm of 100 acres, pleasantly situated at Hampden Corner, six miles from Bangor. The large convenient buildings are kept in thorough repair. --New England Farmer.

FARM AND GARDEN NOTES. Patience is needed in teaching the calf to drink.

A good blooded colt may be made no better than a scrub by being half

starved. After the growth is made the meat hog or the lard hog is a matter of

It is calculated that with every 1200 pound steer there are 349 pounds

In raising strawberries keep the ground moist an I mellow by fre prent ultivation. The food of pigs must, to produce good results, be largely nitrogenous

or muscle forming. Give the chickens plenty of mother, that is do not give the care of too many

chickens to one hen. Every farmer should remember that

pigs cannot digest properly sour milk or sour feed of say kind. Excitable horses can generally be quieted by smoothing the head and

rubbing down over the eyes. Much of the distemper which pre vails in spring months might be

vented by a little judicious care. Milk in boiling always forms a pe culiar acid, so a pinch of soda should be added when beginning to cook.

Sleepless and Voracious Larvæ.

Professor Lintuer, New York's State Entomologist, is of the opinion that the larvæ stage of many species of in-sects is one of sleepless activity, the grub feeding incessantly from the "moment of its birth." He says that ii is doubtful if some species ever sleep or take a moment's rest. The voraciousness and rapid growth of these creatures may be better understood by making statements of two facts: A certain flesh-feeding larva (which simply means the infant state of a carrion beetle, whose scientific name would be of no particular interest) will consume in twenty-four hours 200 times his own weight—a parallel to which in the human race would be an infant consuming 1500 pounds of nutriment on the first day of its existence. There are vegetable feederscaterpillars which, during their progress to maturity, increase in size their lives. To equal this remarkable growth a mature man would weigh scarcely less than fifty tons!-St. Louis Republic.

A Girl's Heroism.

A correspondent of the London News gives the following story "The Ham idie Kurds fell on Herley, an Arme nian village, and asked that the beau-tiful daughter of the priest be deliv-ered to them. The girl, hearing that the villagers really intended to deliver her to them in order to get rid of their barbarities, hid herself, and at night succeeded in making her way, with her brother, toward Russian t-rritory. When the Kurds heard of this escape they followed them, and overtook then The brother and in the mountains. The brother and sister defended themselves from be hind a rock until they had fired all their cartridges but two. The sister then threw herself into the arms of her brother, and begged him to shoot her with one of the cartridges, so that she might not fall into the hands of the Kurds, nor see the death of her brother, and that with the second he should deliver himself also from the hands of the Kurds. This was done. The sister was killed, but the brother was taken half dead and delivered to the Turkish authorities, and is now in prison."

REV. DR. TALMAGE

THE BROOKLYN DIVINE'S SUN DAY SERMON

TEXT "If the tree fall toward the south of toward the north, in the place where the tree fulleth there it shall be,"—Ecclesiaste Xi., 3.

There is a hovering hope in the minds of a vasi multifude that there will be an orbortunity in the next world to correct the new also of this that if we do make complete shipwreck of our earthig life it will be on a shore, up which we may walk to a palace; that, as a defendant may lose his case in the circuit court and carry it up to the supreme court or court of chancers and set a premarant of judgment in his behalf, all the rosts being thrown over on the other party. O. If we fail in the aestheletisk preme court or court of chancery and cet a reversal of judgment in his behalf, all the roots being thrown over on the other party, so, if we fail in the earthly tria! we may in the higher jurisdiction of elernity bave the judgment of the lower court set aside, all the costs remitted; and we may be victorious defendants forever. My object in this ser mon is to show that common sense as well as my text declares that such an expectation is chimerica! You say that the imponitent man, having got into the next world an essengith deapster, will, as a result of that disaster, turn, the nain the cause of the reformation. But you can find 10,000 instances in this world of men who have done wrong, and distress overtook them stidently. Did the distress heal them? No they went right on.

That man was flung of dissipations, "You must stop drinking," said the doctor, "and quit the fast life you are leading, or it will destroy you." The patient suffers paroxysm, but under skillful medical treatment he begins to sit up, begins to walk about the room, begins to go to business. And, to, he goes back to the same grog-shop to he gooring dram and his evening draw, and the drams between. Plat down again? Same doctor! Same physical anguish! Same medical warning! Now the illness is more protracted, the liver is more studyed and sone the same round of sacrilege against his physical heastly.

He sees that his downward course is ruin-

he is out again, goes back to the dramshops and roses the same round of sacrilege against his physical health.

He sees that his downward course is ruining his bousehold; that his life is a perpetual perjury against his marriage vow; that that broken hearted woman is so unlike the hopeful young wife whom he married that her old schoolmates do not recognize her; that his sons are to be taunted for a lifetime by the father's drunkenness; that the daughters are to pass into life under the scarification of a disreputable ancestor. He is drinking up their happiness, their prospects for this life, and perhaps for the life to come. Sometimes an appreciation of what he is do find the scarification of what he is do find the scarification of the scare where he has delirium tremens, with a whole jungle of hissing reptiles let out on his pillow, and his screams horrly the neighbors as he dashes out of his bed, cryling. Take those things off me." As he sits pale and convalescent the doctor says. "Now, I want to have a plain talk with you, my dear fellow. The next attack of this kind you have you will be beyond all medical skill, and you will die." He gets better and goes forth into the same fight again. This time medicine takes no effect. Consultation of physicians agree in saying there is no hope. Death ends the scene.

That process of interitation, warning and dissolution is going on within a stone's throw of you, going on in all the neighborhoods of Christendom. Pain does not correct. Suffering does not reform. What is true in one sense is true in all senses and will forever be so, and yet men are expecting in the next world purcantorial rejuvenation. Take up the printed reports of the prisons of the United States, and you will find that the vast majority of the insarcerated have been there before, some of them four, five, six times. With 1,003,000 illustrations all working the other way in this world, people are expecting that distress i ome men have suffered here, and without

forture in any other world than that which some men have suffered here, and without any salutary consequence.

Furthermore, the prospect of a reformation in the next world is more improbable than a reformation here. In this world the life started with innocence of infancy. In the case supposed the other life will open with all the accumulated had habits of many years upon him. Surely it is easier to build a strong ship out of new timber than out of an old hulk that has been ground up in the breakers. If with innocence to begin with in this life a man does not become godly, what prospect is there that in the next world, starting with sin, there would be a seraph evoluted? Surely the sculptor has more prospect of making a fine statue out of a block of pure white Parian marble than out of an old black rock seamed and cracked with the storms of a half century. Surely upon a clean white sheet of paper it is easier to write a deed or a will than upon a sheet of paper all scribbled and blotted and torn from top to bottom. Yet men seem to think that, though the life that began here comparatively perfect turned out badly, the next life will succeed, though it starts with a dead failure. "But," says some one, "I think we ought

failure.
"But," says some one, "I think we ought to have a chance in the next life, because this life is so short it allows only small portunity. We hardly have time to turn around between eraile and tomb, the wood

of the one almost touching the marble of the

around between ern ile and tomb, the wood of the one aumost touching the marble of the other." But do you know what male the ancient deluge a necessity? It was the longery of the ant-dilluvians. They were worse in the second century of their lifetime than in the third century, and still worse all the way on to 700, 800 and 900 years, and still worse in the third century, and still worse all the way on to 700, 800 and 900 years, and the earth had to be washed and scrubbed and soaked and anchored clear out of sight for more than a month before it could be made fit for decent people to live in.

Longevity never cures imponitency. All the pictures of Time represent him with a seythe to cut, but I never saw any picture of Time with a case of medicines to heal. Seneca says that Nero for the first five years of his public life was set up for an example of elemency and kin lness, but his pith all the way descended until at 63 A. D. he became a suicide. If 800 years did not make antediiuvians any better, but only made them worse, the acres of eternity could have no effect except prolongation of depravity.

"But," says some one, "in the future star evil surroundings will be withdrawn and elevated influences substituted, and hence expurcation and sublimation and glorification." But the righteous, all their sins forgiven, have passed on into a beatific state, and consequently the unsavel will be left alone. It cannot be expected that Dr. Duff, who exhausted himself in teaching Hindoos the way to beaven, and Dr. Abeel, who gave his life in the exampsilization of China, and Adoniram Judson, who tolled for the redemption of Borner, should be sent down by some celestial missionary society to educate those who wasted all their earthy existence. Evangelistic on I missionary efforts are ended. The entire kingdom of the morally barkrupt by themselves, where are the salvatory influences to come from? Can one speckled and bad apple in a barrel of discased apples turn the other apples good from the delta of their spiritual inservents

ting and dowe. You would not want to send a man to a cholera or yellow fever hospital for bis health, and the great lazaretto of the next world, containing the diseased and piague struck, will be a poor place for moral recovery. It the surroundings in this world were crowded of temptation, the surroundings of the next world, after the righteous have passed up and on, will be a thousand per cent, more crowded of temptation.

The Count of Chateaubriand made his little son steep at night at the top of a castle turret, where the winds howied and where specters were said to baunt the place, and

shine. I wonder what is the curriculum of that college of inferno, where, after proper preparation by the sins of this life, the candidate enters, passing on from freshman class of depravity to sophomore of abandonment, and from sophomore to junior, and from judior to senior, and day of graduation comes, and with diploma signed by satan, the president, and other professorial demoniacs, attesting that the candidate has been long enough unfer their drill, he

been long enough under their drill, he passes up to enter heaven? Pandemonium a preparative course for heavenly admission. Ah, my friends, satan and his coherts have fitted uncounted millions for ruin, but never fitted one soul for happiness?

Furthermore, it would not be safe for this world if men had another channes in the next. If if had been announced that, however wickedly a man might act in this world, he could fix it up all right in the next, society would be terribly demoralized, and he could fix it up all right in the next. society would be terribly demoralized, and the human race demolished in a few years. The fear that if we are bad and unforgiven here it will not be well for us in the next existence is the chief influence that keeps civilization from rushing back to semibarbarism, and semibarbarism from rushing into mighty savagery, and midnight savagery from extinction, for it is the astringent impression of all nations, Christian and beathen, that there is no future chance for those who have wasted this.

Multitudes of men who are kept within bounds would say "Go to, now! Let me set all out of this life there is in it. Come, gluttony and inebriation and uncleanness and revenue and all sensualities, and wait upon me! My life may be somewhat shortened in this world by dissoluteness, but that will only make heavenly indulgence on a larger scale the sooner possible. I will over-

arger scale the sooner possible. I will over ake the saints at last and will enter the have the sames at last and will enter the heavenly temple only a little later than those who behaved themselves here. I will on my way to heaven take a little wider excursion than those who were on earth plous, and I shall go to heaven via gehenna and via shool." Another chance in the next world means free license and wild aband-ment in this.

ment in this.

Suppose you were a party in an important case at law, and you knew from consultation with judges and attorneys that it would be tried twice, and the first trial would be of little importance, but that the second would decide everything, for which trial would you make the west recently. decide everything, for which that would you make the most preparation, for which retain the ablest attorneys, for which be most anxious about the attendance of witnesses? You would put all the stress upon the second trial, all the anxiety, all the expenditure, asying, "The first is nothing, the last is everything," Give the race an assurance of everything, "Give the race an assurance of the control of the co a second and more important trial in the subsequent life, and all the preparation for eternity would be "post mortem," post fueternity would be "post mortem," post fu-neral, post sepulchral, and the world with one jerk be pitched off into implety and god-lessness.

ineral, post sepulchral, and the world with one jetk be pitched off into implety and god-lessness.

Furthermore, let me ask why a chance should be given in the next world if we have refused innumerable chances in this? Suppose you give a banquet, and you invite a vast number of friends, but one man declines to come or treats your invitation with indifference. You in the course of twenty years give twenty banquets, and the same man is invited to them all and treats them all in the same obnoxious way. After a while you remove to another house larger and better, and you again invite your friends, but send no invitation to the man who declined or neglected the other invitations. Are you to biame? Has he a right to expect to be invited after all the indignities he has done you? God in this world has invited us all to the banquet of His grace. He invited us by His providence and His spirit 355 days of every year since we knew our right hand from our left. If we declined it every time or treated the invitation with indifference and gave twenty or forty or fifty years of indignity on our part toward the banquet in a more luxurious and kingly place, amild the heavenly gardens, have we a right to expect Him to invite us again, and have we a right to belame Him if He does not invite us?

If twelve gates of salvation stood open twenty years or fifty years for our almission, and at the end of that time they are closed, can we complain of it and say "These gates ought to be open again. Give us another chance?" If the steamer is to sail for Hamburg, and we want to get to Germany by that line, and we went to get to Germany by that line, and we went to get to Germany by that line, and we want to get to Germany by that line, and we have to docks fifteen minutes after it has showed off into the stream and say: "Come back! Give me another chance! It is not fair to treat me in this way! Swing up to the dock again and throw out planks and let me come on board!" Such hebavior would invite arrests a maximum.

And if, after the gospel

and throw our planks and let me come on board?" Such behavior would invite arrest as a madman.

And if, after the gospel ship has lain at anchor before our eyes for years and years, and all the benign voices of earth and heaven have urged us to get on board, as she might sail away at any moment, and after awhile she sails without us, is it common sense to expect her to come back? You might as well go out on the highlands at Navesink and call to the Majestic after she has been three days out and expect her to return as to call back an opportunity for heaven when it once has speal away. All heaven offered us as a graduity, and for a lifetime we retuse to take it, and then rush on the bosses of Jehovah's buckler demanding another chance. There ought to be, there can be, there will be, no such thing as posthumous opportunity. Thus our common sense agrees with my text, "If the tree fall toward the south or toward the our common sense agrees with my text, "It the tree fall toward the south or toward the north, in the place where the tree falleth there it shall be."

You see this blea lifts this world, no feen an unimportant way station to a plutform of stupendous lesses and market all of the state of the

stupendous issues and moves all every wird around this hour. But one trial for which all the preparation must be made in this world or never made at all. That piles up all the emphases and all the elimaxes and all the dimaxes and all the destinies into life here. No other chance 'Ob, how that augments the value and importance of this chance!

Alexander with his army used to surrouch a city and then would lift a great light in token to the people that if they surroudered before that light went out all would be well, but if once the light went out all would be well, but if once the light went out then the battering raws would swing against the wall, and demolition and disaster would follow. Well, all we need do for our present and everlasting safety is to make surrender to Christ, the King and Conqueror—surrender of our lives, surrender of our lives. Christ, the King and Conqueror—surrender of our hearts, surrender of our lives, surrender of our lives, surrender of everything. And He keeps a great light burning, light of gospel invitation, light kindled with the wood of the cross and flaming up against the dark night of our sin and sorrow. Furrender while that great light continues to burn, for after it goes out there will be no other opportunity of making peace with Gol through our Lord Jesus Christ. Talk of another chance! Why, this is a supernal chance!

In the time of Edward VI., at the battle of Musselburg, a private soldier, seeing that

In the time of Edward VI., at the buttle of Musselburg, a private soldier, seeing that the Earl of Huntley had lest his helmet, took off his own helmet and put it upon the head of the earl, and the head of the private sol-dier, uncovered, he was soon slain, while his commander rode safely out of the battle. But in our case, instead of a private soldier offering helmet to an earl, it is a King put-ting His crown upon an unworthy subject,

offering helmet to an earl, it is a King putting His crown upon an unworthy subject,
the King dying that we might live. Tell it to
all points of the compass. Tell it to night
and day. Tell it to all carth and beaven.
Tell it to all centuries, all ages, all millenniums, that we have such a magnificent chance
in the world that we need no other chance
in the world that we need no other chance
in the next.

I am in the burnished judgment hall of the
last day. A great white throne is lifted,
but the judge has not yet taken it. While
we are waiting for his arrival I hear immortal spirits in concernation. What are you
waiting here for? says a soul that went up
from Madagassar to a soul that went up
from America. The latter says. "I came
from America where forty years I heard the
cospel preached and Bible read, and from
the prayer that I learned in infancy on my
mother's time until my last hour. I had gospel advantage, but for some reason I did not
make the Christian choice, and I am here
waiting for the index to give me a new trial
and another claims. "Strange" says the
other. "I had but one goopel call in Madegasear, and I accepted it, and I do not need cascar, and I accepted it, and I do not need

casear, and I necepted if, and I do not need another chance.

"Why are you here?" says one who on earth had feeblest intellect to one who had great brain and silvery tongue and scatters of influence. The latter responds: "Ob, I knew more than my fellows. I mastered libraries and had learned titles from colleges, and my name was a synonym for eloquence and power. And yet I neglected my soul, and I am here waiting for a new trial." "Strange," says the one of the feable agentic "I knew but little surret, where the winds howied and where specters were said to baunt the place, and surrets were said to baunt the place, and with fright the son tells us that the process cave him nerves that could not tremble and a courage that nerve failered. But I don't think that towers of darkness and the spectral world swept by sirocco and cureelydon will ever fit one for the land of eternal sun-

of worldly knowledge, but I knew Christ and made Him my partner, and have no need

of another chance."

Now the ground trembles with the approaching charlot. The great folding doors of the hall swing open. "Stand back?" cryst the celestia ushers. "Stand back, and the judge of quick and dead pass through!" He takes the throne, and looking over the throng of nations He says, "Gome to judgment, the last judgment, the holy judgment, the last judgment, the holy judgment? By one flash fron the throne all the history of each one flavnes forth to the vision of Himself and all others. "Divide" asys the judge to the assemble. "Divide" asys the judge to the assemble. "Divide" angelic.

eeno the walls. "Divide" ery the guards angelic.

And now the immortal's separate, rushing this way and that, and after a while there is a great aisle between them, and a great vacuum widening and widening, and the yacuum widening to the throng on one side, says, "He that is righteous, let him be righteous still," and he that is holy, let him be holy still," and then, turning toward the house of the constill." holy still." and then, turning toward the throng on the opposite side, he says, "Ha that is unjust, let him be unjust still, and he that is flithy, let him be flithy still," and then, lifting one hand toward each group, he declares, "If the tree fall toward the south or toward the north, in the place where the tree falleth there it shall be." And then I hear something jar with a great sound. It is the closing of the boot of judgment. The judge ascends the stairs behind the throne. The hall of the last assistant is cleared and shut. The high court of eternity is adjourned forever.

SCIENTIFIC AND INDUSTRIAL.

Artificial ear drums are a success. Insect eggs have the greatest vitality.

The sour gourd trees of Africa are the oldest living vegetation. The apple contains a larger amount

of phosphorous any other fruit. orons, or brain food, than The United States has a lower percentage of blind people than any oth-er country in the world.

Microscopists say that the strongest microscopes do not, probably, reveal

the lowest stage of animal life.

It was twenty-nine days from the casting of the Lick objective glass before it had cooled sufficiently for safe The Electrical Review says the elec

trical purification of sewage "is a com plete success, chemically and bacter-iologically." The South Sea Islands is the home of a worm which emerges from its hiding place only one day of a certain

change of the moon in October. The East Indian ship worm will in few months destroy any vessel by ent-ing out the interior of the beams and planks. They will be left a more shell that can be shattered by the fist.

The onion has virtues to which thousands of people will swear. This is its ability to ward off attacks of malaris in any form, and to cure cases as rapidly as the strongest doses of

A New York lady has so contrived matters that she can, before getting out of bed, start a fire in the kitchen by turning on the current, and when she comes down stairs finds the kettle boiling and the place comfortably

J. J. Hogan, a mechanical student of Yale College, has invented a remarkable instrument, called the Kine simeter, which is used to measure the slightest motion perceptible to the test of touch. The measure is one millimeter per second

The important discovery has been made by Doctor Backeland that the addition of a minute amount of a solu-ble fluorid to yeast will preserve it for more than six months. Doubtless other important applications will be made of this remarkable property of the solu-ble fluorids.

Mr. Graham, the great British electrician, has invented a "lout-sprak-ing telephone," an apparatus which gathers and materializes the wave sounds to such a wonderful degree that they can be hear I any place in a large room, even after traveling over the wires hundreds of miles.

A Colored Populist.

John Mercer Langston, an ex-Minister to Hayti, and an ex-Congressman from a Virginia district, has been lecturing at various points in the Southern States. In an address at Huntsville, Ala., he advanced with enthusi-astic acceptance of his audience, the Populistic idea that the Federal Government should establish an industrial institution of learning near the capital of each Southern State for the education of Afro-Americans.

Is a Constitutional Cure. Price 75c.

ANOTHER Insurrection in Cubs is immi

Karl's Clover Root, the great blood purific gives freshness and clearness to the comple ion and cures constipation, Sets. Sets., Sets., \$2.

The Magic Touch

Hood's Sarsaparilla You smile at the idea. But if you are a sufferer from

Dyspepsia

And indigestion, try a bottle, and be-fore you have taken half a dozen doses, you will think, and no doubt exclaim "That just hits it?" "That

Hood's Sarsa-

soothing off-et is a magic touch." Hoof's Sarsapartila gently tones and strengthens the stomach and digestive organs, invigorates the liver, creates a natural, healthy deare for fool, gives refreshing aleep.

Hood's Pi Is are prompt and efficient THE PROGRESS SELF-TRAMPING



The Royal Baking Powder is indispensable to progress in cookery and to the comfort and convenience of modern housekeeping. Royal Baking Powder makes hot bread wholesome. Perfectly leavens without fermentation. Qualities that are peculiar to it alone.

The next time you get near one of the big ocean greyhounds, or, in fact, any of the ocean going craft, look along her side just above the water line and about the center you will see a peculiar mark which looks as though it might have been made by an inebriated cobra. This is known as "Plim-soll's mark." Load a ship so that this is below water, and if she sinks you can collect no insurance. It is the danger mark. It is an outcome of marine insurance, and the regulation has undoubtedly saved many million dollars' worth of property and many lives. Weighted below it a vessel is loggy and unbnoyant; in a storm she could not ride the waves easily, and would be likely to tounder. The Plimsoll mark is simply a bisected circle; to the left are the private Lloyd

Strange History of a Cherry Tree. In the management of a cherry tree

measurements and marks. In Eng-

land these are regarded very closely

in America we are more lax. -- New York Mail and Express.

In the management of a cherry tree the late Almeron Higby, of Watson, Lewis County, may be regarded by some people as wiser in his day and generation than the youthful George Washington. When nine years old he planted a cherry stone, from which grew a tree that was known by his parents as "the boy's tree." When it because he has cherred he wished the began to bear cherries he picked the fruit, sold it, and savet the money. This he continued to do during his entire life. Last summer, at the age of fifty-nine, his health decimed, and the tree also began to decay. So he cut it down, had the trunk sawed into boards, and with his own hands made

a pretty ch rry coffin for himself. A few days ago he died, and all of his

funeral expenses were paid from the money that he had saved as the proceeds of the sale of the cherries. -- Mil waukee Wisconsin, HORSE OWNER



KNOWLEDGE

Brings comfort and improvement and tends to personal enjoyment when rightly used. The many, who live bet-ter than others and enjoy life more, with less expenditure, by more promptly adapting the world's best products to adapting the world's best products to the needs of physical being, will attest the value to health of the pure liquid laxative principles embraced in the remedy, Syrup of Figs.

Its excellence is due to its presenting in the form most acceptable and pleas-ant to the taste, the refreshing and truly

beneficial properties of a perfect lax-ative; effectually cleansing the system, dispelling colds, headaches and fevers and permanently curing constipation. It has given satisfaction to millions and met with the approval of the medical profession, because it acts on the Kid-neys, Liver and Bowels without weak-

ening them and it is perfectly free from every objectionable substance. Syrup of Figs is for sale by all drug-gists in 50c and \$1 bottles, but it is man-ufactured by the California Fig Syrup Co. only, whose name is printed on every package, also the name is printed on every package, also the name, Syrup of Figs, and being well informed, you will not accept any substitute if offered.

THE RESERVE OF THE PROPERTY OF Length of a Knot.

The velocity of a ship is estimated n knots and tenths of a knot, and the distance on the log line between two successive knots or marks is obtained by the following proportion: As the number of seconds in an hour is to the number of seconds in the hour glass (usually twenty-eight), so is the length of a sea mile to the length of a knot. This gives forty-seven feet four inches, Previous to marking the log line it is it into the condition it is when in use About fifteen or twenty fathoms of "stray line" is marked off by a piece of fish line with one, two or three, etc., knots in it, as may be required. Each division is subdivided into five equal parts, and a small piece of rag or bunting marks the two-tenths division thus formed. The knot or sea mile Boston Cultivator.



that there's trouble alread—if you're getting thin. It shows that your blood is impoverished, and your organs deranged, so that whatever you eat fails to properly nourish you. And just as long as you remain in this condition, Consumption, Freumonia, and other Serofulous and dangerous diseases are likely to fasten upon you. You should build yourself up with Dr. Pietce's Golden Medical Discovery. Purify and curich the blood, rouse every organ into matural action, and build up healthy, wholesome, necessary fiesh.

Dr. R. V. Pigrach: Dear Str. We have used

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