Rod Used in Driving Oxen is the Original of Present System of Land Measurement.

The origin of the rod pole or perch as a lineal and superficial measure has been traced to the rod, pole or goad used to urge and direct a team of exen pulling a plow. So it came about it was used as a convenient and mandy land measure in feudal times by the lords in allotting plots of land for agricultural purposes to the villeins and others, says a writer in the Builders' Journal.

One rod wide and 40 long (f. e., one furrow long, deep) built up a quarter of an acre. The furlong, or four poles wide and same depth-1 e., 40 poles one acre-was a convenient length for a furrow before turning the plow. Of course these lengths somewhat varied in different parts of the country where soils and agriculture varied, but gradually the slight variations grew less and finally the present ac-

cepted statutory acre was evolved. Gunter's chain of 66 feet (ten square chains to the acre) was invented by Rev. Edmund Gunter (1581-1626). He was a professor of astronomy at Gresham college, London, and ingeniously adapted it to facilitate decimal calculations in land measurements. The use of rod in superficial measurements of brick work and lineally in hedges, ditches and fences followed as a convenient existing measure.

# PECULIARITIES OF THE EYES

Some Optical Effects Which Are Not Generally Understood-How to Look at Stars.

If one places a pin head up close to the eye and directly in front of it instead of seeing the pin right side up It will appear inverted. Also the head of the pin appears transparent and things may be seen as easily through it as through a sheet of isinglass, the head appearing simply as a large round cloud. If it is placed somewhat closer no pin or head can be seen at all.

If one gets into a very dark room and puts a lighted candle near the side of one eye very pretty and peculiar effects are observed. A tracery. forming a regular network, can be easily detected, and this is merely the shadow thrown by the candle on the retina of the eye of the small capillary blood vessels between the

retina and the candle. If one looks to the side of a dim star in the heavens the star appears a great deal brighter than direct wision makes it appear. This is because the light in the indirect view Talls on what is known as the "yel-Now spot" or point of keenest vision. :As this is not put directly behind the front of the eye the side glance is. mecessary. Some people can see stars that way that they cannot perceive at all on direct vision .- Sunday Magasine of the Pittsburg Dispatch.

Pope as a Witness. Pope, like Garrick, made but a poor figure in the witness box. He was cited to appear in defense of Bishop Atterbury when that prelate was tried for high treason in the house of lords in 1723. "I never could speak in public," he told Spence afterward. "and I don't believe that, if it was a set thing. I could give an account of any story to 12 friends together, though I could tell it to any three of them with a great deal of pleasure. When I was to appear for the bishop of Rochester in his trial, though I had but ten words to say, and that on a plain point (how the bishop spent his time when I was with him at Bromley). I made two or three blunders in M; and that notwithstanding the first

Martin Luther's Room. The chamber of Martin Luther at Wartburg has fallen into a state of ruin. Admirers who have visited the Ritterhaus of Voburg, where the Elector Frederick the Wise offered, asylum to the reformer, have allowed, their real to exceed their discretion. and, vandal like, have carved their mames with their pocket knives on? the table, and chipped off bits from

row of lords (which was all I could

see) were mostly of my acquantance."

would necessitate making it anew. The same has happened with the plaster on the wall, and the famous žnk stain has disappeared completely. It is high time that measures should be taken to make an end of these sacandalous depredations. --- Jenser Volksbiatt.

the bedstead, so that to restore it

Modest Missionaries. There are many missionaries whom mo board of missions is supporting; many who are not the recognized and isniarled agents of any of the churches. Whenever to any home the gospel of !Me and light is brought, whoever the messenger may be, a missionary serviftee has been rendered; and the missionary spirit may be shown as truly by the member of the family who tries to be brave and cheerful under - Maculties as by those who carry to China or to India a better code of ethics, a higher order of morality, a more elevated standard of pracept and practice.

> No Engagement. "Have you finished enumerating the things you won't do?" inquired hirs,

> Mousekeep. The prospective cook admitted that aho had.

"Then perhaps you'll specify the things you can't do. Then I can tell I we can get along together." . The prospective cook decided right there that they couldn't

HOW DOE SAVED HER FAWN

Instance of Wonderful Maternal Intelligence Told by a French Writer and Traveler.

The following anecdote is related by M X Raspail. It is worthy of comparison with the most remarkable of instances of the same kind

The author one day perceived a doe in full flight before two dogs in the Aigle woods that form a part of the forest of Chantilly The doe was accompanied by a very young fawn which appeared quite exhausted and ready to drop. The mother, doubtless well aware of this, slackened her pace and presently stopped close to some thick bramble bushes. She remained some time there with lowered head as if awaiting the onset of her pur-

Suddenly an idea seemed to strike her, and with a butt of the head she tossed her fawn right into the middle of the thicket. Then first advancing gently as if to make sure it was well hidden, she soon set off by rapid bounds in front of the dogs. The latter barking close upon her heels, she made a sudden bound and thus drew them far from the spot where this incident occurred. The howling of the dogs became fainter and fainter, the valiant animal having doubtless led them two kilometers away into the Canardardiere peat bogs, where the

dogs often lose the scent. In fact later they were seen returning to the village in an exhausted condition, while the intelligent mother doubtless returned to the bushes to find the little fawn she had so cleverly hidden and placed in safety.

## RECOGNIZED AS A STATESMAN

Candidate's Scheme at Once Seen to Be the Production of a Master Mind.

"Our end of the town is completely without police protection," said the aldermanic candidate in a lively speech. "Elect me and I promise to have this section of the-city literally swarming with police."

The next night he was denounced by the opposition as a four flusher and asked to outline his plan for se-

curing proper pretection. "Ladies and gentlemen," he began at the following meeting, "I was called a bluffer by our friends, the opposition, last night. I now propose to show you how I will make good in my promise. First of all I will start the movement for more police protection by hiring two new cooks. Let every man of family in this audience hire one cook and keep her and we'll need an exclusion act to keep the cops out of our territory!"

Pandemonium broke loose. A new Bolivar had appeared in their midst and at the election his rival was swamped into oblivion.

The Usefulness of "Central." The telephone subscriber has come to regard "central" as an ever-available bureau of information. The score of the ball game, the latest election returns, the location of the big fire the light from which can be seen on the horizon, and even the exact time, are all points on which the long-suffering operator must be posted.

The other day, according to the Operating Bulletin of the Chicago Telephone Company, a man called up a suburban "xchange, and said, despair

"My wife has gone out, leaving word for me to cook the spinach for dinner, but I do not know how long

The operator switched the subscriber to the supervisor, who had been to cooking-school, and she promptly told the man all he needed to know about the treatment of spinach.

A Ceremony Denied. A Vienna merchant who had spent the summer vacation at Altenberg, after reaching home sent an oil painting of the Madonna to the authorities of the vacation resort, with the request that it be placed in the springhouse. He asked also that a priest be requested to officiate when the painting was unveiled. Father Steidt of St. Andrew's was selected to carry out the request, but sent word that he would not bless the picture until he had the assurance that the wife of the painter, "and no other woman," had served as model. As it was impossible to secure this statement, the authorities had to dispense with the religious ceremony.

One Part of Meeting. "Did you ever meet an old friend whom you didn't meet?" was the enixma put up to a Hariemite by a neigh-

bor. The Harlemite never did. "I did this morning," the neighbor explained. "I was rushing downtown on a subway express. We passed a local, also southbound under somewhat less speed. I was hanging to a strap, and as I gazed into a car of the local that was opposite my ear I recognized a man I had known intmately, but had not seen for 15 years. He recognized me at the same moment and there was a mutual salute. Then my train forged ahead of the other and he was lost to sight.

"You see, I met him, yet I didn't meet him."-New York Globe.

Natural Progression. Mrs. McCall-How about your servant girl? The last time I saw you you complained about her being so very slow.

Mrs. Hiram Offica :- Oh, sho's pro-

Mrs. McCall-Indeed? Mrs. Hiram Offen -- Yes; she's getting slower and slower.

OIL-DRILLER HAS GRIEVANCE

Doesn't Want Any More Dearings with Women and wost for ite will Not Blame Him.

In boring for eit, when the drill reaches the depth where it allows gas to escape, every precaution is taken against igniting it lest there should be a destructive explosion. This pecessary precaution gives jour to the following story, told by a writer in the Pittsburg News:

"I can deal with men." growled a grizzled oil driller, "but a womaz can

outdo the best of us! "The other day I brought in a welldown in Virginny, right close to the kitchen door of a little farmbouse Just as we were getting to the ticklish point, where smoking wasn't allowed within forty rods, out comes the farmer's wife and goes to building a big

fire in a Dutch oven. "Mebby I didn't kick, but she just showed mera batch of dough, an' said if she didn't bake it 'twould spoil. If I wanted the fire out I had got to pay for the dough. Ten dollars, too.

"She just dared me to touch that Dutch oven, an' I didn't touch it, either. I just gave her the ten. "Mebby we didn't get that fire out

quick. If the well had broken loose it would have blown me an' the whole farmhouse out of sight'

"No. sir. I don't want any more dealings with a woman. They're too

### CAT THAT CANNOT BE LOST

Left Behind When Ship Sailed Puss Boards Another Vessel and Fellows 3,000 Miles.

Sailors and officers of the Norwegian steamship Minerva, which sailed for Baltimore to load coal, claim that they have on board the original and authentic "cat that came back," and moreover this feline cannot be lost.

The sailors declare that the cat boarded the Minerva of her own free will at the Lamberts Point coal piers over a year ago, and that she at once became a favorite on board.

The steamer was then loading a cargo of coal for Portland, Ore., and in some way the cat got left behind when she lifted archor and steamed on her 3,000-mile voyage.

She had been at her destination eight days when one morning the cat again walked on board, and the only way the sailors could figure out how she got there was that she had stowed away below, but several days later the mystery was solved when it was discovered that after the Minerva had left Norfolk the cat boarded a British steamer going the same way. and, recognizing members of the crew of the Minerva at Portland, followed them back to the ship.

The cat got her picture in the papers on the Pacific coast for that, and she is still with the ship.-Norfolk Virgarian-Pilot.

The Academy of Silence.

It is written that among the various schools of Grecian philosophy existed one known as "The Academy of Silence, composed of 100 men, each member pledged to the purpose of the school, writes Hollis Godfrey in the Atlantic. To them came one seeking admission. Their list of membership was closed and their head calling the would-be neophyte before the out a word an urn so filled with water that not a single drop could be added. The neophyte, reading the message bowed silently, started to withdraw, but hesitated and returned. Picking a petal from a flower, he dropped it on the brimming bowl so dexterously that it floated without dislodging the slightes: particle of the liquid. The membership of the academy of silence became 101.

Not a Lager Beer Sign. The lady was disconsolate. "My dear," she said to her friend, "I've had such a disappointment. Mrs. Blank and I were going to take the house at 23 Washington Square North for the winter. We had planned to furnish it so prettily, but when I went around to look at it the other day I saw one of those horrid lager beer signs right next door. And I thought that was a restricted neighborhood. Of course we can't take the house,

and i'm simply heartbroken." "Well, you can cheer up again then," replied her friend, "That wasn't a lager beer sign you saw. It was the double eagle of Russia on the coat of arms hanging in front of the Russian consulate."-New York Sun

Can't Please Everybody. Mrs. Asquith came in for a good criticism for inviting Maud Allen to a luncheon. Smarting under it, she invited next time the great Parisian ar-

tlet in clothing, M. Poiret. "This time," she said, "there will be no mistake. As the only objection to Miss Allen was that she was the artlet who had reduced clothing to the minimum. I have invited the artist who has raised clothing to the maximum. Now there can be no criticiam." But, strange to say, there was,

Painted His House with Oslum. Silas Morgan, living on Whidbee island. Washington, found several dozen cans containing a substance resembling paint, and believing a case of red paint had washed ashore, painted his house with the material. On taking a sample to town, he was told that the sticky fluid was pure optum and each can worth about \$200. As he had used or spoiled mearly thirty cans of the optum he had wasted more than \$9,000. -- Greenville

CLOTHES MADE HIM NEW MAN

If Anyone Doubts the Tonic Effect of Good Appearance, Let Him Read This.

A London medical man having declared that new clothing is a powerful mental and moral tonic, and that a man in shabby attire is often less capable than his well-dressed mental Inferior the Ottawa Citizen says that "it might give the doctor some trouble to explain why nearly all our million aires wear trousers that bag at the knees and cling so pitifully to the ready-made necktie '

Instead of trying to explain why mil-Honaires dress in that way we think the London doctor could very truly re ply that "they don't." With the doctor's view that new and neat clothing is a powerful mental and moral tonic we heartily agree. One may test it in his own case, or note it in others. while always before us we have con-Vincing evidence that women show the tonic effect of being well dressed. We may cite one case, says the Toronto Star. A Toronto man had been in hard luck. Largely through his own folly he had gone so completely to the bad that he was stopping his old-time acquaintances on the street and asking them for dimes. One man who had known him in his better days took him home and fitted him out with clean linen, a nice tweed suit, hat and shiny shoes. What was the result? The man who one day had been furtively wheed Hng dimes from acquaintances next day walked along the street with his head up and had no trouble whatever in borrowing one, two or five dollars from every person he recognized. New clothes made a new man of him. fired him with ambition and he raked in more long green in one day than he used to get in a month.

### WHY HE WAS BEING WATCHED

Detective's Explanation Something of a Slur on the Quaint Old Dutch City.

During a period of political agitation a stranger arrived in Magdeburg, where, on applying to the authorities, he obtained a permit or ticket of residence. He had not been long in the town before he became aware that his steps were being dogged by a man in blue uniform. He bore it for days, but at last said to the spy: "Sir, do you wish to drive me mad? Why do you pursue me in this way?" "I am a detective, and my instructions are not to lose sight of you," was the quiet answer. "Why, what fault have the police to find with me?" shouted the stranger in the greatest excitement: my passport is in order, here is my ticket of residence; i am a citizen of Berlin, why do you follow me about?" "It states in your passport," was the reply, "that you were going to reside here for pleasure; that looks suspiclous, as it is the first time anyone came to reside in Magdeburg for pleas-

Wheat Older Than History. Wheat belongs to the wholly distinct botanical family of the grasses. Its ancestral home is unknown, but so far as early narratives possess evidential value there seems some reason to credit its place of origin to western Asia. Wheat is older than the history of the man who has sown it from the beginning of the farmer's art as already under cultivation; many races believed it the gift of the gods. The misconception as to the origin of this cereal suggested in the question may have been based upon a faulty recollection of a theory once proposed. namely that wheat was a cultivation derivative of the wild Triticum ovatum, a grass of the Levant. This grass was put under selective cultivation for a score of years and it responded to the effort in a considerable degree. It developed into a better grass, but grass it remained; it did not become wheat.

Salt Cellar in Olden Times. During the latter part of the middle ages the saft cellar was the most conspicuous object on the table. It was always placed in the center of the long table at which the household gathered, my lord and lady, family and guests being at one end, and the servants and retainers at the other, and in this way one's social position was at once apparent, the "gentle folk" sitting "above the salt" and the yeomanry below it. Among the wealthy the sait cellar was of gold or silver. Benvenuto Cellini chased some for Francis I, that were of the most exquisite workmanship, and at the Louvre may be seen several rich specimens of salt cellars in faience, and the famous set made at Orion for Henry L

. The Oldest Family. The Austrians are known to be the greatest "stickers" for genealogy, many of the nobles tracing their descent back to almost the dawn of history. Even in Austria, however, it is generally admitted that the dukes of Norfolk represent the oldest family in the world. According to the most trustworthy authorities the Howards are of Saxon origin, the name in those days being Hereward. So far back as \$57 there are trustworthy records of the family.

Obliging the Lady. "I see you've got an automobile," said Citiman. "I thought you swore you'd never buy one."

"Tes, I did say that once," replied Subbubs, "but our new cook insisted that we must get one because her church is so far away from our SCIENTISTS DIFFER IN VIEWS

Dr. Minot of Fourtand Medical School Takes to be with Piot. Metchnikoff.

Meteamkoff ascrites old age to in-

Jury from the bacterial poisons developed as a result of fermentations occuring in the barge intestine, and producing their effect by weakening the various cells and tissues, which then become a prey to the scavenging cells of the body, the phagocytes Dr. Charles S. Minot of the Harvard medical school, in a recently published work on "Age, Growth and Death." combats the view that old age is a kind of disease, and regards it as a necessary consequence of the changes in the cells of the body, which are in evitably progressive from birth to death; this succession of rellular changes is termed 'cytomorphosis." He surmises that in the future it may be possible to increase the activity of nuclei and prolong the younger sys tem of organization. Death he regards as acquired during the process of evolution in consequence of cytomorphosis. As organization becomes higher and higher, the need for dif ferentiation becomes greater, this involves the end and death is the price we have to pay for the differentiation which exists in us, and to which we owe our great array of saculties'

### GOT AWAY WITH HIS LIFE

Amateur Baseball Pitcher Made Record Run, Though Really There Was No Need of It,

Here is a baseball story which Albert T. Reid, the artist, tells on him self in his newspaper, the Leavenworth Post.

"I was pitching for Abilene against Concordia and a big, raw-boned cuss came to the bat. I hit him on the arm. He didn't waste a second on his reply. In words that burned the grass off the diamond he told me if I did that again he would crack my cocoanut, and I knew that he was

quite sincere. "I prepared to throw the next one about a rod outside the plate but you know how a scared man will sometimes do just what he is trying not to do. I hit him on the arm again, as though I had practiced throwing at it

for a month. "He and I started at the same in stant—he for me and I for the back fence. I hit the top board on the fly and was just bouncing on over when I caught myself for a look back. A little runt who played shortstop had given the big cuss a low tackle and downed him and was sitting on his head and making him eat dirt

"Several of them got around me and calmed me down and led me back into the game "-Kansas City Journal

New Experience for Prince. "What's thet good of being a royal ty?" asks a correspondent from Innsbruck in a Vienna paper, "if a waitress can order you out of the house? This happened to Albert, crown prince of Belgium, a few days ago. On his automobile trip through the Tyrol he had a break-down at a point where no mechanical help could be obtained. He walked in the driving rain several miles to Trient, and on reaching the place went to a hotel and entered the dining room, for he was hungry, as as thoroughly dranched waitress, not knowing him, ordered the guest out of the room with the information that only such men could dine there who wore 'salon dress'evening clothes. The prince walked away and took refuge in the railway station dining-room, where no one objected to the style of his clothes."

An Early Matinee.

A theatrical performance beginning in the small hours of the morning is sufficiently novel to be worth recording. A French theatrical company which had been touring in South America, telegraphed from Rio that they would give a performance at Dakar, on the west coast of Africa. when the steamer arrived there. At eight o'clock the theater was full but the company was missing. After waiting for a considerable time, the audience were sent away disappointed, but at 11:30 the steamer arrived, tomtoms were beaten in the streets, and the people flocked to the theater. The performance began at 1:30 a.m. and finished at 5!

Dwarfed Millionalres.

Cesare Lombroso, in his article on "The Soul of the North American Millionaire," published recently in Lettara, after describing the physiognomy of the American men of great wealth, said that only a few of them had the characteristics which are usually the accompaniment of genius. He added that they were small of stature and that in some cases the American millionaire was found to be "inches shorter than his wife." As to the children, the criminologist pronounced them "generally weak in body and soul," attributing this deficiency not to degeneracy so much as to forced isolation."

Must Have Health First Miss Wright, physical director at Radeliffe, proposes that no girl be granted a degree who does not come up to the physical requirements. She says that many girls are proficent in arts and sciences who could not draw a breath correctly to save their lives The attitude of some of the colleges may be expressed in the motto: "Never let your studies interfere with your regular college course," this regular "course" being attendance at "proms" and "class day," in the opinion of many students.

A LONG NIGHT AT THE CLUB

Fleeting Moments of Pleasure That Mr. Cybiwosky Paid for in Sacksloth and Ashes.

The long Arete might was drawing to a close. After six months of cark ness the rubicand face of Old Sof peoped shyly over the edge of the glacier and wished the frozen north a

cheery good morning It was a giorious sight, but Mr Olibiwosky heeded it not He was just returning from a night at the Eskimo club and his mind was troubled. He had forgotten his latch key. Alas ! i

Mr Ojibiwosky' He knew she was a light sleeper Frequently she had awakened after having slept only three weeks merely at the sound of the mebergs crushing some intrepid explorers ship in the floes. He remembered this as his none too steady footfalls crunched through the snow She heard him as he was trying to get in through the servants' entrance in the areaway. and stuck her head out of the upper window. Is that you Ojib, she de-

Mr. Ojibiwosky was forced to admit that it was

This is a fine time to be getting home, she exclaimed. What time is

"My dear, it's only quar er pash February," replied Mr. Ojibiwosky somewhat thickly, however

But Mrs Ojib, by consulting her calendar, was already wise to the facthat it was half past May, and, having no desire to pry into family affairs, we will draw a veil over the scene that followed, after the manner of the good old story writers

## SURPRISED THE YOUNG MEN

"Mary" Proved to Be a Silky Haired Dog. Not One of Group of Children.

The two young men were wandering down West End avenue when & tall young woman stopped at the corner and called back sharply toward a group of children, as it seemed to the young men. Mary, Mary There was no movement among the children and the woman repeated her call

"Guess the kid den't obey her very well " said one of the young men as he sized up the situation. "There'll be a spanking coming to some one

The woman, still standing at the corner, called out again. "Come here, Mary," this time rather more persuarively. There was no responsive movement by any of the children and the young men paused in their walk ing to see what the outcome would be. The young woman pursed up her lips and whistled shrilly The children kept on playing and several nurse aids near by kept on indifferently with their gossip.

Suddenly there was a patter of feet and a rush, and a small dog with silky hair came running out of an alleyway and dashed up to the feet of the P woman. She attached a leash to the dog's collar and then she turned the corner

The young men said "Huh" and kept on walking, and the children kept on playing

Health for Women. Dr. Annie Lee Hamilton of Boston has been chosen to take charge of thus of education the general public of New England as to how to maintain health and ward off sickness. The campaign of public health education will be carried on largely by means of lectures before all sorts of organizations that are willing to give the subject a hearing.

"We women of the American Modical association are delegated by the association to specialize among oun own sex in teaching girls and mothers simple truths of preventive medicine,? explained Dr. Hamilton. This is really a multiplied blessing since mothers will carry the knowledge to their children. It has great value also to the next generation as often preventive medical treatment for a young child means all the difference between a lifetime of sickness and a lifetime of health."

Palace of Racconigi. The Palace of Racconigi, to which the czar has found his way by a circultous route, stands in one of the largest and finest parks in Italy. Orley inally a fortress, it was transformed into a more luxurious place of residence of Philibert to Savoy in 1961; and in 1775 a French gardener was engaged to transform the gardens en the model of Le Notre's designs for Versailles. It has lathly been refurnished and redecorated; but two of the apartments have been left untouched. One of these is the bedreami occupied by the late King Umberto! the other is the suite in which is proserved the furniture of the rooms in which Carl-Alberto died in Oporto.

The Idle Soph. The psychology students of Harvard are repeating a new wittletons of their brilliant teacher, Prof. Wil-

Prof. James, it appears, made this comment upon a very exquisite and very idle millionaire sophomore from New York:

"What time he can spare from the adornment of his person he devotes to the neglect of his duties

Time to Reform. "leg't it diegraceful the way weenen smoke novadaye?" ·\*Why?"

"I just saw an advertisement offering to any woman six puffs for a dellars." -- Purple Cow.

L'ABEILLE DE LA NOUVELLE-ORLÉANS —